FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	
Entered On S R Sheet		Copy N I D to Field Office	
Location Map Pinned		Approval Letter	
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed	1-8-77	Location Inspected	
OW	WW	TA	Bond released
GW ✓	OS	PA	State of Fee Land

LOGS FILED

Driller's Log ✓

Electric Logs (No.) ✓

E I E-I GR GR-N Micro

Lat Mi-L Sonic Others

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-16923

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ OTHER — SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. UNIT AGREEMENT NAME: Bar Creek

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: Willard Pease Oil & Gas Co.

9. WELL NO.: Anschutz-Fed.#1 Bar CK.

3. ADDRESS OF OPERATOR: P. O. Box 548, Grand Junction, Colo.81501

10. FIELD AND POOL, OR WILDCAT: Stateline

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NW.SE.Sec.19,T.17 S.,R.26 E.,S.L.M.
At proposed prod. zone: 2050' from S-line & 2050' from E-line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW.SE.Sec.19-17S-26E S.L.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approx. 18 miles NW.of Mack, Colo.

12. COUNTY OR PARISH: Grand

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 2050'

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: E 1 mi.

19. PROPOSED DEPTH: 2900 ft.

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5060'grd.; 5070'K.B.

22. APPROX. DATE WORK WILL START*: Dec.26,1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"5/8"	~~24.00#~~ 26.40#	150'	60 sks.

It is planned to drill a well at the above location to test the natural gas possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled with rotary tools using air for circulation. The surface casing will be set at approx.150' and cemented with returns to the surface. A blowout preventer will be installed on the casing head, and a rotating head will be installed on top of the blowout preventer. Any gas zones encountered will be flared at the end of the blewie line and roughly checked for volume thru 2" lines off the casing head after the ~~the~~ pipe rams have been closed. In the event of commercial production, 4½" casing will be run and cemented with sufficient cement to bring the top of the cement 250' above the top of the Dakota formation. A prognosis for the well is attached hereto.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED H. Von Gunsley TITLE Consulting Geologist DATE Dec.13,1976

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

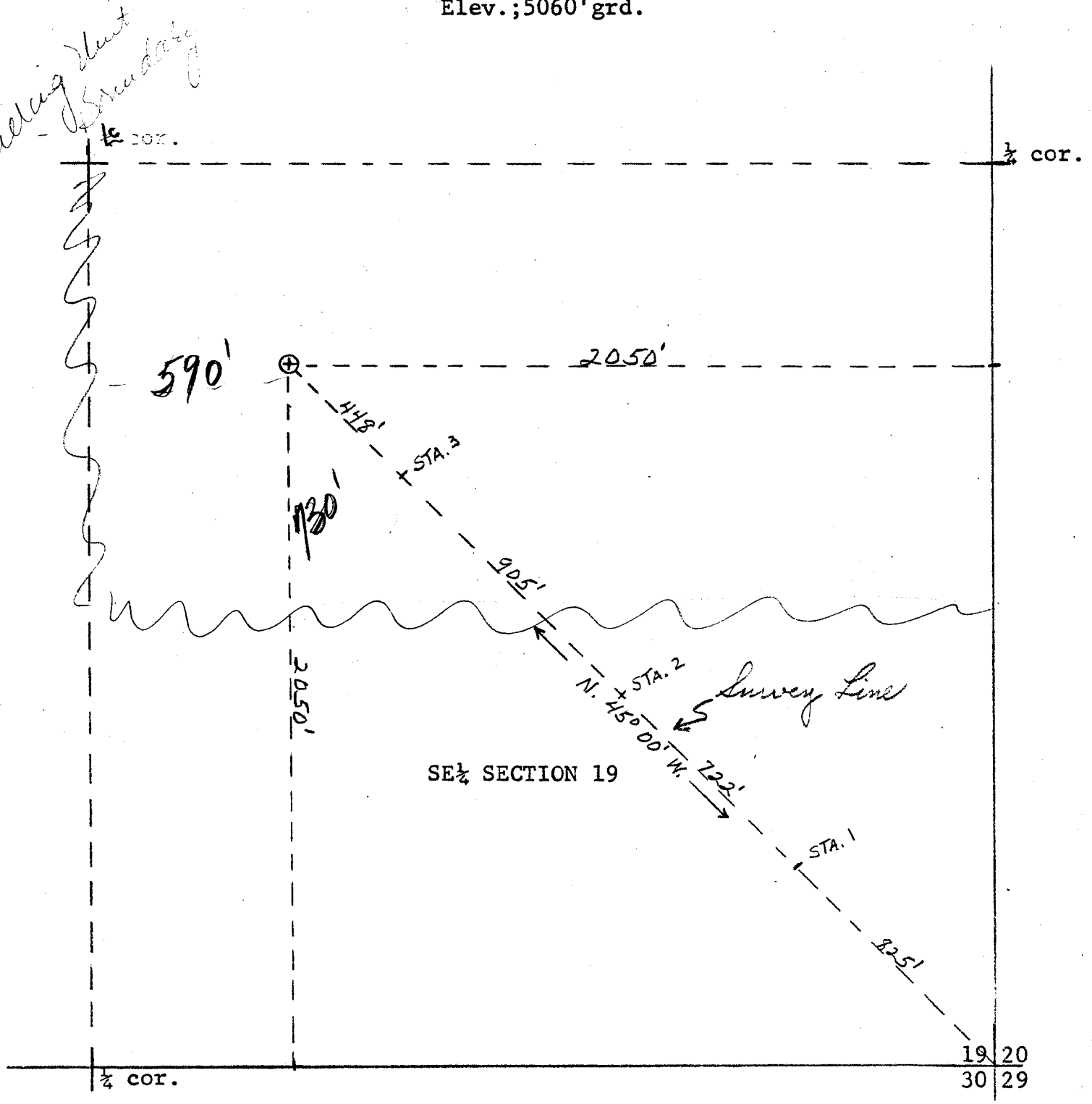
APPROVED BY (Orig. Sgd.) E. W. Guynn TITLE DISTRICT ENGINEER DATE DEC 20 1976

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL NOTICE — UTAH STATE O-G-M

LOCATION PLAT FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ-FED.#1 BAR CK.WELL
NW.SE.SEC.19-17S-26E
GRAND COUNTY,UTAH
Elev.;5060'grd.

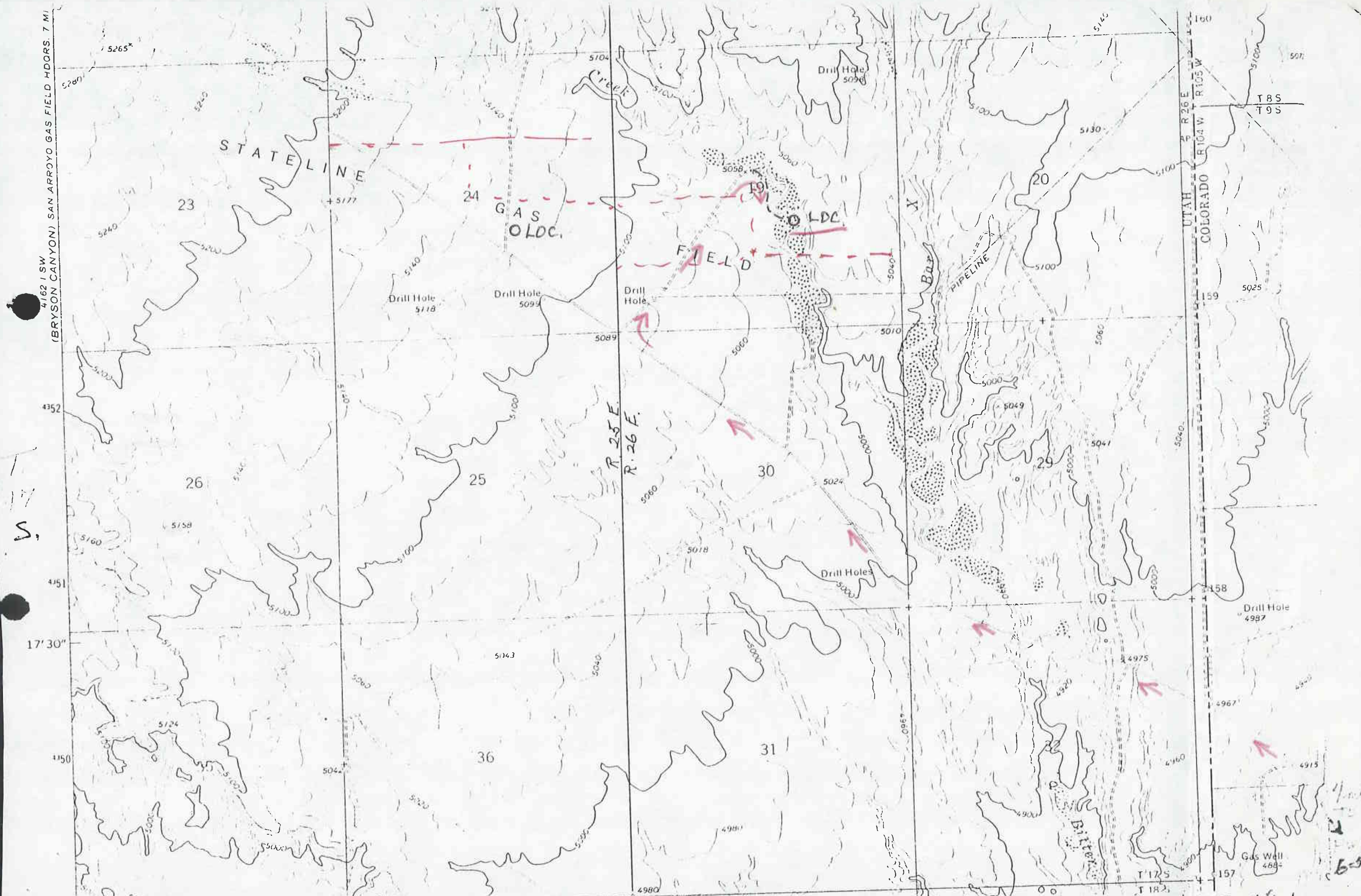


I, W.Don Quigley, do hereby certify that this plat was plotted from notes of a field survey made by me on Dec.7, 1976

W. Don Quigley

Scale; 1 in.= 400 ft.
Date: Dec. 13,1976
Surveyed by: W. Don Quigley

Plat No.1


4162 I SW
(BRYSON CANYON) SAN ARROYO GAS FIELD HDQRS. 7 MI.
STATE LINE
GAS
FIELD
O LOC.
O LOC
Drill Hole 5118
Drill Hole 5099
Drill Hole
Drill Hole 5090
Drill Holes
Drill Hole 4987
Gas Well 4884
Creek
Bar X
PIPELINE
Bitter
R. 25 E.
R. 26 E.
UTAH
COLORADO
R 26 E
R 104 W
R 103 W
T 8 S
T 9 S
T 17 S
T 18 S
17'30"
4352
4351
4350
23
24
19
20
26
25
30
29
36
31
32
35
T 17 S.

Map No. 1

PROGNOSIS FOR BAR CREEK
UNIT WELL
ANSCHUTZ-FED.#1 BAR-CK.
NW.SE.SEC.19-17S-26E
GRAND COUNTY,UTAH

Location: NW.SE. Sec.19,T.17 S.,R.26 E.,S.L.M.,Grand County,Utah (2050'from S-line & 2050'from E-line)

Elevation: 5060'grd.; 5070'K.B.

Surface Casing:150 ft.of 7 5/8" O.D.,26.40#, J-55,8 Rd, LTC, new; set and cemented with returns to the surface.

Expected Formation Tops:

Formation	Depth to top	Thickness	Datum
Mancos	Surface	2070'	5070'K.B.
Dakota	2070'	125'	3000'
Cedar Mountain	2195'	75'	2875'
Morrison	2270'	250'	2800'
Salt Wash	2520'	270'	2550'
Curtis	2790'	60'	2280'
Entrada	2850'	-----	2220'
Total Depth	2900'		

1. It is planned to drill a 9 3/4" surface hole for the surface casing down to a depth of about 150 ft. and set 7 5/8" casing with approx. 60 sks of cement with returns to the surface. A casing head will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on the casing head. A rotating head will then be mounted on top of the blowout preventer. A blewie line, at least 100 ft. long, will then be attached to the rotating head and extended into the reserve pit.

2. A 6 3/4" hole will then be drilled below the surface casing , using air for circulation. A flare will be maintained at the end of the blewie line at all times while drilling below 1000'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon reservoir.

3. Samples of the cuttings will begin at 1000'. 30-ft.samples will be taken from 1000'to 2000', and then 10-ft. samples will be taken from 2000' to total depth.

4. It is planned to drill the well to a depth which is 50 ft. below the top of the Entrada formation unless good commercial flow of gas (250 MCF or more) is obtained above this depth.

5. If a high gas flow(several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less 80 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. An induction-electrical log will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 150' above the top of the Dakota formation.
(Note: In the event a small gas flow (less than 750 MCFO is obtained, it may be desirable to run casing, 4½"O.D., thru the rotating head prior to mudding up and running logs, with cement baskets and DV tool on the casing so that the casing can be cemented above the production zone; thereby preventing any damage to the formation and eliminating considerable completion expense. This is an important consideration when the volume of gas is low and the return from the well would be correspondingly low. The well could then be logged inside the casing with a gamma-neutron log.)

6. If good production (over 750 MCF) is obtained 4½"O.D., 9.50#, J-55 or H-40, new casing will be run and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will then be perforated, 2 3/8"O.D. tubing run, and completed conventionally.

7. It is anticipated that the drilling of the well will require less than one week.

W. Don Quigley

Consulting Geologist
Salt Lake City, Utah

SURFACE USE & OPERATIONS PLAN
FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ-FED.#1 BAR-CK.WELL
NW.SE.SEC.19-17S-26E
GRAND COUNTY,UTAH

1. A survey plat showing the location of the proposed well site is attached (See Plat No.1). Map No.1 shows the route to the well site from Hwy.50-6 at a point just west of the store. This map shows the secondary roads into the location and secondary roads in the surrounding area. It is about 7 miles to the location from the highway. These roads are in good shape and will support heavy trucks. The last one mile (see red arrows) will need some grading over the washes and up the steep grades. This work will be minimal. The location is about 950' from this road so the amount of new road is very little.

2. Planned Access Roads: The enclosed ,Map No.1, is submitted showing the short access road (950' long) from the present road which will be required. This road is across level ground and will require no cuts or extensive grading. This road will be approx. 14' wide. No cattle guards, culverts, or deep cuts will be required on the present secondary road. It will need to be graded over the last one mile.

3. Location of Existing Wells: See attached map.

4. Location of Production Equipment: A plan for the anticipated production equipment, if the well is successful,is submitted on Plat No.2. When production ceases this equipment will be removed and the land surface graded, levelled and reseeded.

5. Water Suply: Very little water will be required for the drilling of subject well; and will be hauled by truck from the Salt Wash where is crosses under HWY6-50 just west of Mack, Colo.

6. Road Material: No additional road material, gravel, sand or culverts, will be required for the proposed drilling operations.

7. Waste Disposal: A reserve and burn pit will be constructed at the well site. All excess water,mud, and drill cuttings will be deposited into the reserve pit. Burnable material and garbage will be put into the burn pit. Both of these pits will be folded in and covered as soon as feasible after the cessation of drilling operations.

8. Camp Facilities and Airstrips: No camp facilities other than two or three house trailers at the well site will be needed. No airstrips will be required.

9. Well Site Layout: A plan for the drilling equipment layout required for the drilling operations is submitted on Plat No. 3. The approximate dimensions of the drill site are shown. The site will be levelled for this equipment. Since the site is quite level, it will not be necessary to make any deep cuts or major surface shift The reserve pit will be about 4 ft. deep with 4-ft. banks. The sage brush will be removed.

10. Restoration: After the drilling operations have been concluded and the equipment removed, the well site area will be cleaned, levelled and restored to normal. The pits will be covered and the area reseeded, if the well is not successful. Otherwise the site will be levelled and prepared for the placement of the production equipment. This work will be accomplished within 30 days after the drilling equipment has been removed.

11. Land Description : The proposed well site is on the bank of a tributary to Bar-X Wash and is on fairly level ground that is covered with heavy sage brush. There is only two small juniper trees on the site area. The surface is Mancos shale, and some gravel from erosion and deposition along the wash. Very little grading to the location will be required.

12. Representative: The operators representative at the well site will probably be W. Don Quigley, 803 Phillips Petro. Bldg., Salt Lake City, Utah. The location work and restoration work will probably be done by Bob Sasser of Willard Pease Drilling Co.

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Willard Pease Oil & Gas Co. and its contractors in conformity with this plan and terms and conditions under which it is approved.

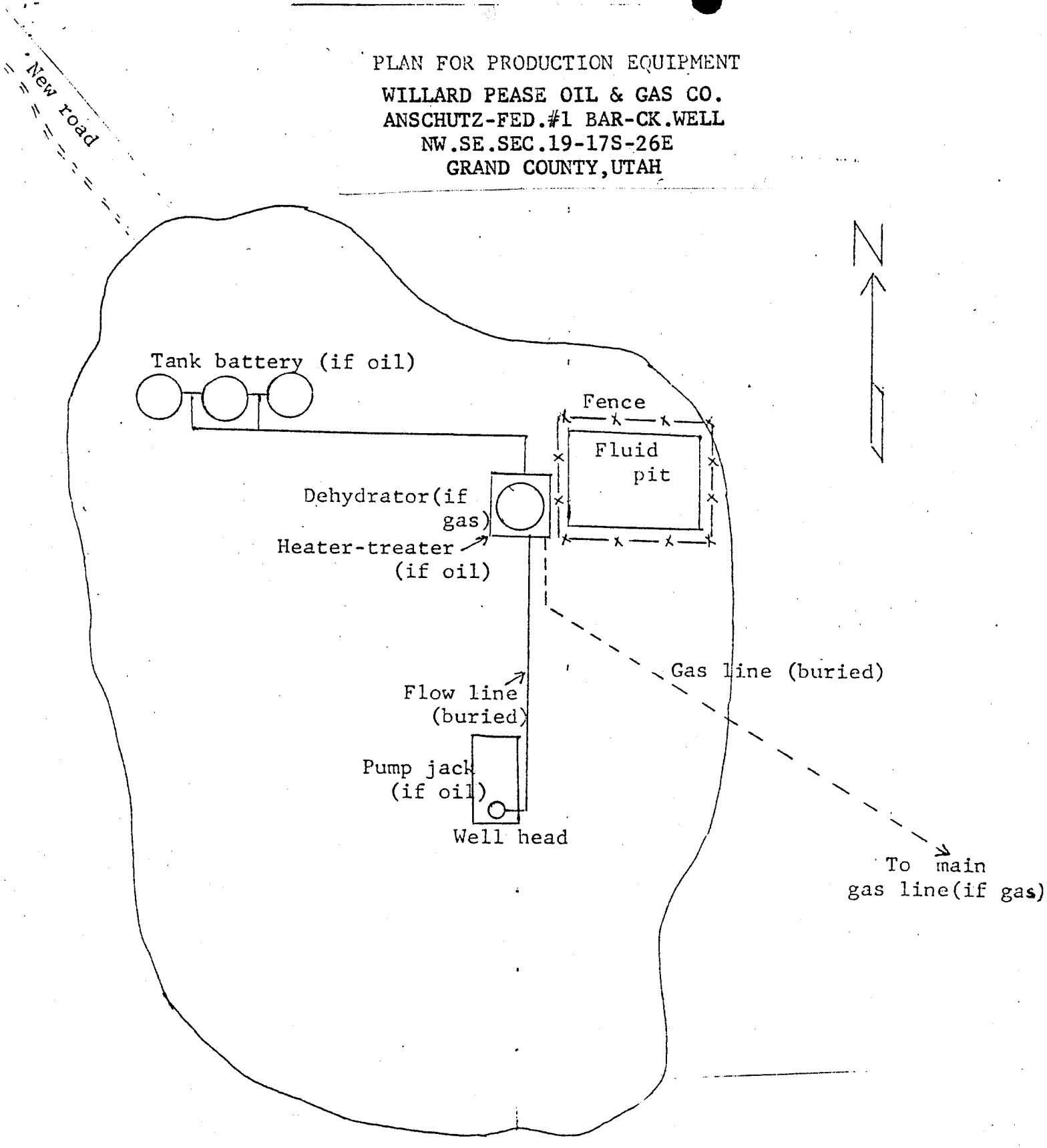
Date: Dec. 13, 1976

W. Don Quigley

W. Don Quigley, Consultant

PLAN FOR PRODUCTION EQUIPMENT

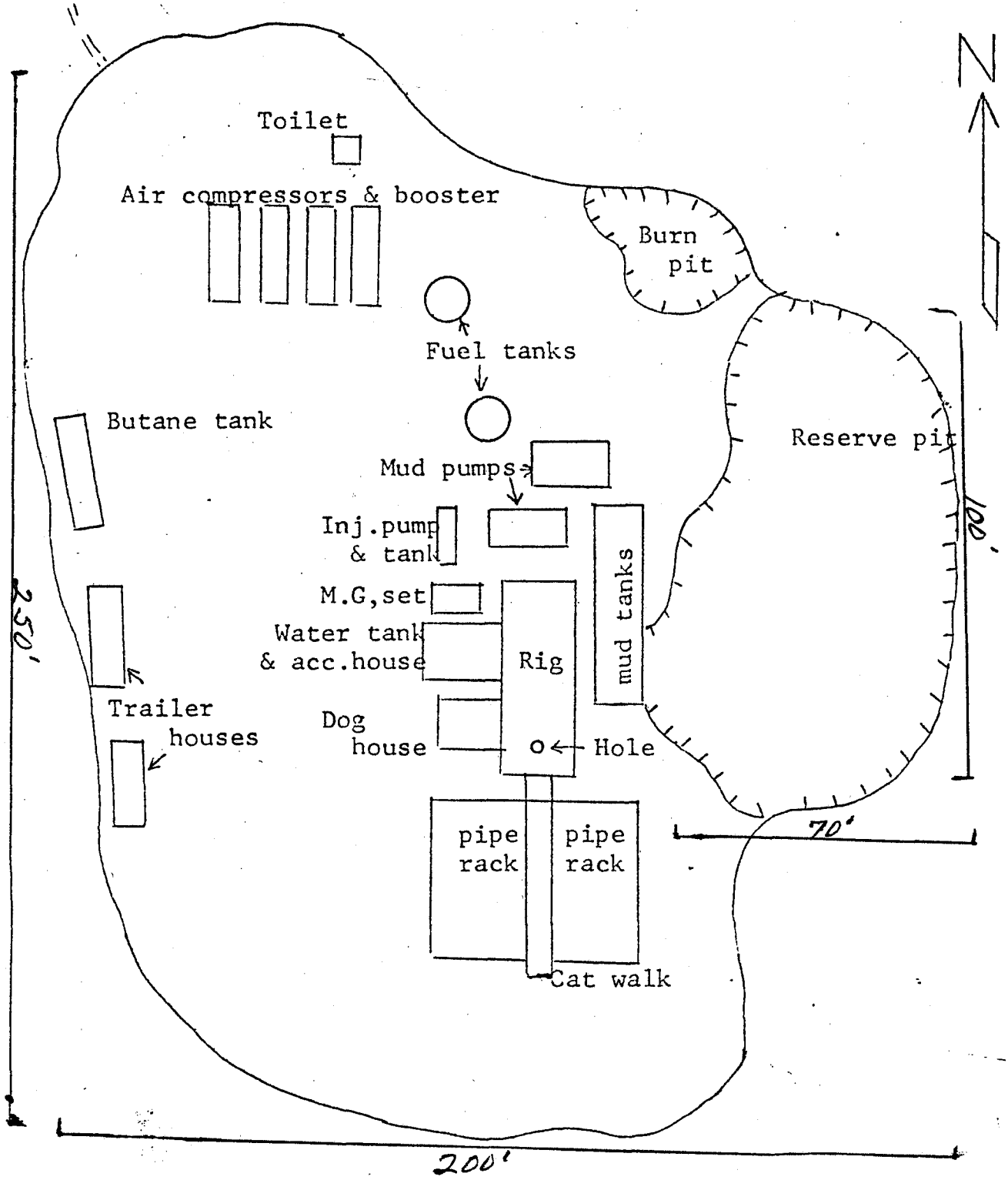
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ-FED.#1 BAR-CK.WELL
NW.SE.SEC.19-17S-26E
GRAND COUNTY,UTAH



Plat No.2

LOCATION PLAN FOR

WILLARD PEASE OIL & GAS CO.
ANSCHUTZ-FED.#1 BAR-Ck.WELL
NW.SE.SEC.19-17S-26E
GRAND COUNTY,UTAH



Scale: 1 in.= approx.35 ft.

PLAT NO.3

WELL CONTROL EQUIPMENT FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ-FED.#1 BAR-CK. WELL
GRAND COUNTY, UTAH

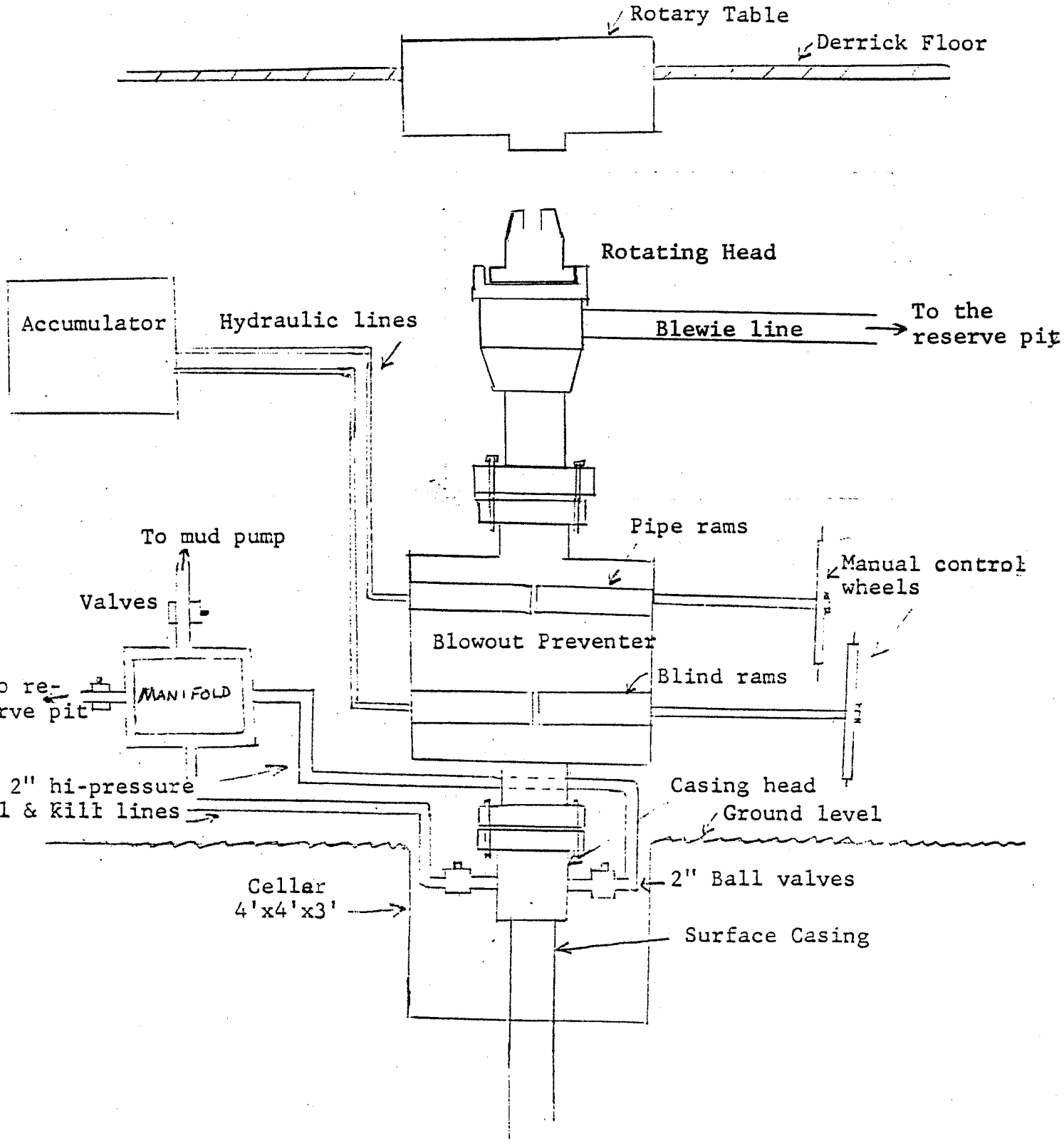
The following control equipment is planned for the above designated well: (See attached diagram).

1. Surface Casing:
   A. Hole size for surface casing is 9 3/4"
   B. Setting depth for surface casing is approx. 150 ft.
   C. Casing specs. are: 7 5/8" D.D., J-55, 26.40#, 8 rd. thread, new or used.
   D. Anticipated pressure at setting depth is approx. 20 lbs.
   E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 60 sks of cement with returns to the surface.
   F. Top of the casing will be at ground level.
2. Casing Head:
   Flange size: 10", A.P.I. Pressure rating: 2000# W.P., Series 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2'', 2000# W.P. ball or plug valves. Casing head and valves set above ground level.
3. Intermediate Casing:
   None.
4. Blowout Preventors:
   A. Double rams; hydraulic; one set of blind rams; one set of rams for 3½" or 4" drill pipe; 10"flange; 2000# or greater W.P.; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000#p.s.i.
5. B.Rotating Head:
   Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3½" or 4" rubber for 2000# W.P.;need not have hydril assembly on bottom.
   C.Fill and Kill Lines:
   The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head.
5. Auxillary Equipment:
   A float valve is to be used in the bottom drill collar at all times. A string float will also be used in the drill pipe and kept within 200'-300' of the surface.
6. Anticipated Pressures:
   The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 3000' to 4000' in the area have been measured at about 1000# to 1500# maximum.
7. Drilling fluids:
   Air or soap-water mist will be used to drill the subject well. In case of excessive caving problems, it may be

necessary to convert to mud.

8. Production Casing:
   A. Hole size for production casing will be 6 3/4".
   B. Approx. setting depth will be about 2900'
   C. Casing Specs. are: 4½"O.D.; J-55; 9.50#, 8-rd thread; new.
   D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8"O.D. tubing will be run, and the well completed conventionally. In the event the production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.
   E. Casing will be run with about six centalizers and a Lynes packer and DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the Lynes packer and a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the packer. Two inch tubing will be run and secured in the tubing head prior to perforating.

SCHEMATIC DIAGRAM OF
CONTROL EQUIPMENT FOR THE
WILLARD PEASE OIL & GAS CO. WELL
ANSCHUTZ-FED.#1 BAR-CK.
NW.SE.SEC.19-17S-26E
GRAND COUNTY, UTAH



BEFORE THE OIL AND GAS CONSERVATION COMMISSION

OF THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF THE AMERICAN METAL COMPANY, LIMITED, a corporation, and THE FRONTIER REFINING COMPANY, a corporation, FOR AN ORDER ESTABLISHING DRILLING UNITS FOR THE BAR X ANTICLINE AREA, GRAND COUNTY, UTAH	RECOMMENDED FINDINGS OF FACT and CONCLUSIONS OF LAW Cause No. 4

REPORT OF THE REFEREE

This cause came on for hearing before Commissioner Herbert F. Smart, sitting as a Referee, on Tuesday, November 20, 1956, in the Governor's Board Room, State Capitol Building, Salt Lake City, Utah, as a result of a Petition filed on behalf of The American Metal Company, Ltd., a New York corporation, and The Frontier Refining Company, a Wyoming corporation, both duly authorized to do business in the State of Utah.

F I N D I N G S

The Referee finds as follows:

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.

2. That the Commission has jurisdiction over the subject matter embraced in said notice and of the parties interested therein, and jurisdiction to promulgate the hereinafter prescribed order.

3. That gas is being produced in the Bar X Anticline Area from the Dakota-Upper Morrison, the Salt Wash, and the Entrada Formations.

4. That all available geological and engineering data indicate the presence of several zones each containing a single pool underlying the Bar X Anticline Area and that each pool constitutes an underground reservoir containing a common accumulation of gas underlying the following described lands in Grand County, Utah; to-wit:

Township 17 South, Range 25 East, S.L.M.
Section 1: Lots 1, 2, 3, and 4;
S½N½, N½S½;
Section 2: All

Section 3: All
Section 4: Lot 1, Se¼NE¼, E½SE¼;
Section 9: E½;
Section 10: All
Section 13: S½NW¼, S½;
Section 14: All
Section 15: All
Section 16: E½E½;
Section 24: N½NW¼, NE¼;

Township 17 South, Range 26 East, S.L.M.
Section 4: Lots 1, 2, 3, and 4;
Section 5: All
Section 6: Lots 1, 2, 3, and 4, S½N½, N½S½;
Section 9: Lots 1 and 2;
Section 8: N½;
Section 17: S½S½;
Section 18: S½S½;
Section 19: N½, N½S½;
Section 20: N½, N½S½;
Section 21: Lots 1, 2 and 3;

5. That one well will adequately drain all recoverable gas from each zone underlying approximately 640 surface acres in the subject area and that approximately 640 surface acres is the maximum area that may be drained efficiently and economically by one well.

6. That the great majority of operators in the Bar X Anticline Area are of the opinion that one well will adequately drain, in accordance with good conservation practice, all recoverable gas from each zone underlying approximately 640 surface acres in the subject area and that approximately 640 acres is the maximum area that may be drained efficiently and economically by one well.

7. That, because of the Bar X Unit and the odd acreage lots on the north and east of said area, it is impracticable as well as impossible to establish drilling units of 640 acres or thereabouts which will satisfy the statutory requirement of uniform size and shape.

8. That drilling units between 480 and 550 surface acres can be established which will fulfill the statutory requirements.

C O N C L U S I O N

1. That in order to avoid the drilling of unnecessary wells; to protect the correlative rights of all parties concerned; to insure the proper and efficient development; and to promote conservation of the gas resources of the State, an order should be made establishing drilling units for the production of gas from each of the heretofore mentioned common sources of supply underlying said land as defined herein.

2. That drilling units of not less than 480 or more than 550 surface acres be established.

3. That the area be devided into zones to facilitate the establishment of drilling units.

/s/ Herbert F. Smart
HERBERT F. SMART, Commissioner and Referee

Dated:

December 5, 1956.

BEFORE THE OIL AND GAS CONSERVATION COMMISSION

OF THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF THE AMERICAN METAL COMPANY, LIMITED, a corporation, and THE FRONTIER REFINING COMPANY, a corporation, FOR AN ORDER ESTABLISHING DRILLING UNITS FOR THE BAR X ANTICLINE AREA, GRAND COUNTY, UTAH	O R D E R Cause No. 4

The Commission having considered the report of the Referee, Commissioner Herbert F. Smart, in the above matter, and having examined the record in this proceeding,

IT IS HEREBY ORDERED that the Recommended Findings of Fact and Conclusions of Law of the Referee on file herein be and they are hereby adopted as the Findings and Conclusions of the Oil and Gas Conservation Commission.

IT IS FURTHER ORDERED that the following rules and regulations shall apply to wells heretofore and hereafter drilled and completed or recompleted in the Bar X Anticline Area, as herein defined, in addition to other applicable rules, regulations and orders of the Commission, if any, heretofore adopted and not in conflict herewith.

Field Rule 3-4. The Bar X Anticline Area, as herein defined, is hereby devided into 5 zones, which contain the acreage indicated therein, to-wit:

Zone 1

Section 4: Lots 1, 2, 3 and 4, Twp. 17 S, R. 26 E., SLBM
Section 5: All; Twp. 17 S., R. 26 E., SLBM
Section 6: Lots 1, 2, 3 and 4, S½N½, N½S½, Twp. 17 S., R. 26 E., SLBM
Section 8: N½, Twp. 17 S., R. 26 E., SLBM
Section 9: Lots 1 and 2, Twp. 17 S., R. 26 E., SLBM
Section 1: Lots 1, 2, 3 and 4, S½N½, N½S½, Twp. 17 S., R. 25 E., SLBM

Zone 2

Section 2: All, Twp. 17 S., R. 25 E., SLBM
Section 3: All; Twp. 17 S., R. 25 E., SLBM
Section 4: Lot 1, SE¼NE¼, E½SE¼, Twp. 17 S., R. 25 E., SLBM

Zone 3

Section 9: E½, Twp. 17 S., R. 25 E., SLBM
Section 10: All, Twp. 17 S., R. 25 E., SLBM
Section 14: All, Twp. 17 S., R. 25 E., SLBM
Section 15: All, Twp. 17 S., R. 25 E., SLBM
Section 16: E½E½, Twp. 17 S., R. 25 E., SLBM

Zone 4

Section 13: S½NW¼, S½, Twp. 17 S., R. 25 E., SLBM
Section 24: N½N½, S½NE¼, Twp. 17 S., R. 25 E., SLBM
Section 18: S½SW¼, Twp. 17 S., R. 26 E., SLBM
Section 19: NW¼, N½SW¼, Twp. 17 S., R. 26 E., SLBM

Zone 5

Section 17: S½S½, Twp. 17 S., R. 26 E., SLBM
Section 18: S½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 19: NE¼, N½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 20: N½, N½S½, Twp. 17 S., R. 26 E., SLBM
Section 21: Lot 1, 2, 3, Twp. 17 S., R. 26 E., SLBM

Field Rule 4-4. Drilling Units shall be and the same are hereby established for each zone, as follows, to-wit:

ZONE 1

Drilling Unit No. 1 shall consist of the following described acreage:
Section 4: Lot 4, Twp. 17 S., R. 26 E., SLBM
Section 5: S½S½, Twp. 17 S., R. 26 E., SLBM
Section 8: N½, Twp. 17 S., R. 26 E., SLBM
Section 9: Lots 1 and 2, Twp. 17 S., R. 26 E., SLBM

Drilling Unit No. 2 shall consist of the following described acreage:
Section 4: Lots 1, 2 and 3, Twp. 17 S., R. 26 E., SLBM
Section 5: Lots 1, 2, 3 and 4, S½N½, N½S½, Twp. 17 S., R. 26 E., SLBM

Drilling Unit No. 3 shall consist of the following described acreage:
Section 6: Lots 1, 2, 3 and 4, S½N½, N½S½, Twp. 17 S., R. 26 E., SLBM

Drilling Unit No. 4 shall consist of the following described acreage:
Section 1: Lots 1, 2, 3 and 4, S½N½, N½S½, Twp. 17 S., R. 25 E., SLBM

ZONE 2

Drilling Unit No. 1 shall consist of the following described acreage:
Section 2: Lots 1, 2 and 3, S½NE¼, SE¼, E½SW¼, SE¼NW¼, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 2 shall consist of the following described acreage:
Section 2: Lot 4, SW¼NW¼, W½SW¼, Twp. 17 S., R. 25 E., SLBM
Section 3: Lots 1 and 2, S½NE¼, SE¼, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 3 shall consist of the following described acreage:
Section 3: Lots 3 and 4, S½NW¼, SW¼, Twp. 17 S., R. 25 E., SLBM
Section 4: Lot 1, SE¼NE¼, E½SE¼, Twp. 17 S., R. 25 E., SLBM

ZONE 3

Drilling Unit No. 1 shall consist of the following described acreage:
Section 9: E½, Twp. 17 S., R. 25 E., SLBM
Section 10: W½W½, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 2 shall consist of the following described acreage:
Section 10: E½W½, E½, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 3 shall consist of the following described acreage:
Section 16: E½E½, Twp. 17 S., R. 25 E., SLBM
Section 15: W½, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 4 shall consist of the following described acreage:
Section 15: E½, Twp. 17 S., R. 25 E., SLBM
Section 14: W½W½, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 5 shall consist of the following described acreage:
Section 14: E½W½, E½, Twp. 17 S., R. 25 E., SLBM

ZONE 4

Drilling Unit No. 1 shall consist of the following described acreage:
Section 13: S½NW¼, SW¼, W½SE¼, Twp. 17 S., R. 25 E., SLBM
Section 24: N½NW¼, W½NE¼, Twp. 17 S., R. 25 E., SLBM

Drilling Unit No. 2 shall consist of the following described acreage:
Section 13: E½SE¼, Twp. 17 S., R. 25 E., SLBM
Section 24: E½NE¼, Twp. 17 S., R. 25 E., SLBM
Section 18: S½SW¼, Twp. 17 S., R. 26 E., SLBM
Section 19: NW¼, N½SW¼, Twp. 17 S., R. 26 E., SLBM

ZONE 5

Drilling Unit No. 1 shall consist of the following described acreage:
Section 17: SW¼SW¼, Twp. 17 S., R. 26 E., SLBM
Section 18: S½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 19: NE¼, N½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 20: W½NW¼, NW¼SW¼, Twp. 17 S., R. 26 E., SLBM

Drilling Unit No. 2 shall consist of the following described acreage:
Section 16: Lot 4, Twp. 17 S., R. 26 E., SLBM
Section 17: SE¼SW¼, S½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 20: E½NW¼, NE¼, NE¼SW¼, N½SE¼, Twp. 17 S., R. 26 E., SLBM
Section 21: Lots 1, 2 and 3, Twp. 17 S., R. 26 E., SLBM

Field Rule 5-4. On each drilling unit, as heretofore described, one well may be completed or recompleted into two or more of the producing zones or horizons as a multiple completion, or as an alternative, one well may be completed or recompleted into any one of the producing zones or horizons as a single completion, provided, no more than one well shall produce from the same horizon in each drilling unit.

Field Rule 6-4. The B. W. Hancock Well No. Federal 1 is designated as the drilling unit well for Drilling Unit 2 of Zone 2 for the zones or horizons from which it is producing, and The American Metal Company Well No. Government (Linney) 1 is designated as the drilling unit well for Drilling Unit 3 of Zone 3 for the zones or horizon from which it is producing.

Field Rule 7-4. No well or wells shall be drilled and completed or recompleted in Zones 1, 2, 3, 4 and 5, and no notice of intention to drill shall be approved by the Commission unless:

(a) Such well or wells be located on one of the heretofore designated drilling units on which no other well is completed or approved for

completion in the same producing zone or horizon.

(b) Such well or wells to be drilled no closer than 1320 feet from the drilling unit boundary.

IT IS FURTHER ORDERED, that the rules and regulations contained herein shall become effective forthwith, and henceforth the commencement of the drilling of any well or wells in the Bar X Anticline Area, as defined herein, for the purpose of producing gas therefrom at a location other than authorized by this Order, is hereby prohibited.

IT IS FURTHER ORDERED, that the Commission expressly reserves its right, after notice and hearing to alter, amend, or repeal any and/or all of the above ruled and regulations.

ORDERED this 5th day of December, 1956.

THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF UTAH

/s/ D. H. Whittenburg
D. H. WHITTENBURG, Chairman

/s/ T. S. Curtis
T. S. CURTIS, Commissioner

/s/ Herbert F. Smart
HERBERT F. SMART, Commissioner

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-16923

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: Bar Creek

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: Willard Pease Oil & Gas Co.

9. WELL NO.: Anschutz-Fed.#1 Bar CK.

3. ADDRESS OF OPERATOR: P. O. Box 548, Grand Junction, Colo. 81501

10. FIELD AND POOL, OR WILDCAT: Stateline

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NW.SE.Sec.19,T.17 S.,R.26 E.,S.L.M.
At proposed prod. zone: 2050' from S-line & 2050' from E-line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: NW.SE.Sec.19-17S-26E S.L.M.

RECEIVED DEC 15 1976 DIVISION OF OIL, GAS, & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approx. 18 miles NW.of Mack, Colo.

12. COUNTY OR PARISH: Grand

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
2050'	640	160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
X 1 mi.	2900 ft.	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5060'grd.; 5070'K.B.

22. APPROX. DATE WORK WILL START*: Dec.26,1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"5/8"	~~24.00#~~ 26.40#	150'	60 sks.

It is planned to drill a well at the above location to test the natural gas possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled with rotary tools using air for circulation. The surface casing will be set at approx.150' and cemented with returns to the surface. A blowout preventer will be installed on the casing head, and a rotating head will be installed on top of the blowout preventer. Any gas zones encountered will be flared at the end of the blewie line and roughly checked for volume thru 2" lines off the casing head after the ~~the~~ pipe rams have been closed. In the event of commercial production, 4½" casing will be run and cemented with sufficient cement to bring the top of the cement 250' above the top of the Dakota formation. A prognosis for the well is attached hereto.

Zone 5, Drill Unit #1
Cause #4

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED H. Don Gurley TITLE Consulting Geologist DATE Dec.13,1976

(This space for Federal or State office use)

PERMIT NO. [redacted] 43-019-30335 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

ATTACHMENT 2-A

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

#355

WILLARD PEASE OIL and GAS Co.
ANSCHUTZ-FED. #1 BARCK
LEASE #U-16923
BAR CREEK Unit
NW. SE. SECT. 19,
T17S., R26E SLM
GRAND County UTAH

W. Pease - Quigley
BLM - ~~Hoagle~~ Pet
USGS. - Dennis Sur

[illegible]

O ENHANCES
☐ NO IMPACT
/ MINOR IMPACT
X MAJOR IMPACT

			Construction: Roads, bridges, airports	Construction: Transmission lines, pipelines	Construction: Dams & impoundments	Construction: Others (pump stations, compressor stations, etc.)	Pollution: Burning, noise, Junk disposal	Pollution: Liquid effluent discharge	Pollution: Subsurface disposal	Pollution: Others (toxic gases, noxious gas, etc.)	Drilling Production: Well drilling	Drilling Production: Fluid removal (Prod. wells, facilities)	Drilling Production: Secondary Recovery	Drilling Production: Noise or obstruction of scenic views	Drilling Production: Mineral processing (ext. facilities)	Drilling Production: Others	Transport Operations: Trucks	Transport Operations: Pipelines	Transport Operations: Others	Accidents: Spills and leaks	Accidents: Operational failure	Others
Land Use	Forestry	N/A																				
Land Use	Grazing	/	/		/		/	/		/	/			/			/			/	/	
Land Use	Wilderness	/	/		/		/	/		/	/			/			/			/	/	
Land Use	Agriculture	N/A																				
Land Use	Residential-Commercial																					
Land Use	Mineral Extraction	/	O																			
Land Use	Recreation	/	O		/		/	/		/	/			/			/			/	/	
Land Use	Scenic Views	/	/				/	/						/			/			/	/	
Land Use	Parks, Reserves, Monuments	N/A																				
Land Use	Historical Sites	/	/				/	/			/						/			/	/	
Land Use	Unique Physical Features																					
Flora & Fauna	Birds	/	/				/	/		/	/			/			/			/	/	
Flora & Fauna	Land Animals	/	/				/	/		/	/			/			/			/	/	
Flora & Fauna	Fish	N/A																				
Flora & Fauna	Endangered Species					NO ENDANGERED SPECIE KNOWN																
Flora & Fauna	Trees, Grass, Etc.	/	/		/		/	/		/				/			/			/	/	
Phy. Charact.	Surface Water	/	/		/		/	/		/	/						/			/	/	
Phy. Charact.	Underground Water	/	/								/											
Phy. Charact.	Air Quality	/	/		/		/	/		/	/						/			/	/	
Phy. Charact.	Erosion	/	/		/			/		/	/						/			/	/	
Phy. Charact.	Other																					
	Effect On Local Economy	N/A																				
	Safety & Health	/	/		/		/	/		/	/			/			/			/	/	

Others
ORIG - FILE
CC - BLM w/o MATRIX
Reg Mgr - DVR.
UTAH STATE O-G-M ✓

Lease # U-16923 Willard Pease Oil + G[illegible] Co.

Well No. & Location ANSCHUTZ FED. #1 BAR CK STATELINE FIELD

NW. SE. SEC. 19 - 17S - 26E SLM

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

PROPOSES TO DRILL AN OIL AND GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 2900 FT. TD. 2) TO CONSTRUCT A DRILL PAD 200 FT. X 250 FT. AND A RESERVE PIT 70 FT. X 100 FT. 3) TO CONSTRUCT 250 FT. X MILES ACCESS ROAD AND UPGRADE FT. X 1 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. IF WELL IS SUCCESFULL ALL PRODUCTION EQUIPMENT WILL BE CONTAINED WITHIN THE BOUNDRIES OF DRILL SITE LOCATION.

2. Location and Natural Setting (existing environmental situation)

THE LOCATION SITE IS ON FAIRLY LEVEL GROUND THAT WILL REQUIRE VERY LITTLE, (IF ANY) GRADING done. A TRIBUTARY TO THE BAR-X WASH RUNS ALONG THE EAST AND SOUTH BOUNDRIES OF THE LOCATION. THE AREA IS HEAVELY COVERD WITH SAGE BRUSH, with TWO SMALL Juniper TREES ON THE LOCATION SITE. SMALL PATCHES OF NATIVE GRASS ARE SCATTERED AROUND THE AREA. THE SURFACE IS REDISH white MANCOS SHALE WITH SOME GRAVEL FROM EROSION AND deposition ALONG THE WASH. THERE ARE A GREAT deal OF COTTONTAIL RABBITS, A FEW GROUND SQUIRLS, AN OCCASIONAL COYOTE. THERE have been A FEW ANTELOPE SPOTED IN THE GENERAL AREA FROM TIME TO TIME. A FEW SMALL DESERT BIRDS AND SMALL RODENTS ARE QUITE PREVALENT IN THE AREA.

THIS AREA IS USED FOR GRAZING.

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) A NEW site couldnot be FOUND THAT would WARRENT THIS ACTION

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. Determination

(This requested action ~~does~~) (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 12-27-76

Inspector

E W Guynn

U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Willard Pease Oil & Gas Anschutz #1 Fed.	2050' FSL, 2050' FEL, Sec 19. T17S R26E SLM, Grand Co, Utah GR EL 5060'	U-16923

1. Stratigraphy and Potential Oil and Gas Horizons. Well will spud in the Quaternary alluvial deposits. American Climax Pet. well # 3, same twsp., reported the following tops: Dakota 2468', Morrison 2618', Salt Wash 2640', Entrada 3264'. T.D. 3278'.

2. Fresh Water Sands.

WRD report on page 2.

3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) none.

4. Possible Lost Circulation Zones. unknown.

5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. unknown.

6. Possible Abnormal Pressure Zones and Temperature Gradients. unknown.

7. Competency of Beds at Proposed Casing Setting Points. Probably competent.

8. Additional Logs or Samples Needed. Sonic, density, electric, gamma ray & neutron logs to indicate rock intervals.

9. References and Remarks within Bar-X KGS.

Date: 12-28-76 UTAH STATE O&M Signed: Ellen Rosa

(D-16-25) 23 bac

Depths of fresh-water zones:

Atlantic Richfield Co., San Arroyo 3-C

1,485' fnl, 1,880' fwl, sec. 23, T16S, R25E, SLB&M, Grand Co., Utah

Elev. 6,363 ft, proposed test to 1,100 ft

Stratigraphic units	Tops, approx.	Quality of water
Price River Fm	surface	useable
Buck Tongue	700 ft	useable
Castlegate Ss	1,025 ft	useable
Mancos Sh	1,060 ft	saline

There are no water wells of record in the near vicinity of the proposed test. Fresh or useable water has been reported from the Castlegate Ss in similar tests about 10 miles southwestward, and probably will be found at this site to the top of the Mancos Sh.

USGS - WRD
7-15-71

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Dec. 16-

Operator: Willard Pease Oil & Gas

Well No. Ausschutz - Fed. #1 Bar Ranch Creek

Location: Sec. 19 T. 17S R. 26E, County: Grand

File Prepared	✓	Entered on N.I.D.	✓
Card Indexed	✓	Completion Sheet	✓

Checked By:

Administrative Assistant: ✓

Remarks: Does not fit Order C-4 - Requires well to be located at least 1320' from drlg. unit bound. No other wells in Section

Petroleum Engineer: R.J. Firth for comment

Remarks:

Director:

Remarks:

Include Within Approval Letter:

Bond Required		Survey Plat Required	
Order No. 4	✓	Surface Casing Change to	

Rule C-3(c), Topographical exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3 O.K. In Unit

Other:

Letter Written

December 17, 1976

Willard Pease Oil and Gas Company
c/o W. Don Quigley
803 Phillips Petroleum Building
Salt Lake City, Utah

Re: Well No. Anschutz-Fed. #1 Bar CK
Sec. 19, T. 17 S, R. 26 E,
Grand County, Utah

Gentlemen:

Please be advised that this Division is unable to administratively approve the drilling of the above referred to well as said location is in violation of the Order issued in Cause No. 4.

Your attention is directed to Field Rule 4-4 of said Order (copy enclosed) wherein designated drilling units have been established for this area. The above proposed well would be located in Zone 5 - Drilling Unit #1, as set forth on Page 3. Further, under Field Rule 7-4, Paragraph (b), it is indicated that a well in any such drilling unit may not be drilled closer than 1320 feet from the drilling unit boundary. Therefore, as the drilling unit boundary covering Section 19 is defined by the Order as the NE 1/4, N 1/2 SE 1/4, the proposed site is located at a point less than the 1320 feet as expressed.

Should you have any questions relative to the above, or need additional assistance, please do not hesitate to call.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

December 22, 1976

Willard Pease Oil & Gas Company
W. Don Quigley
803 Phillips Petroleum Bldg.
Salt Lake City, Utah

Re: Anschutz-Federal #1 Bar Creek
Sec. 19, T. 17 S, R. 26 E
Grand County, Utah

Gentlemen:

Approval to drill the above mentioned well is hereby granted. The drilling of this well is being approved at this time as a result of a telephone conversation with Jack Hoover, Anschutz Corporation. Wherein, Mr. Hoover informed this office that the lease which includes Section 19, Township 17 South, Range 26 East, SLBM, Grand County, Utah was due to expire on or before the 31st day of December 1976.

Said approval is however conditional upon the following.

1. Approval by the U.S. Geological Survey of the Bar Creek Exploration Unit Agreement.
2. The filing of a copy (unexecuted will suffice) of said unit agreement with this Division no later than January 7, 1977.
3. The filing of an application by Anschutz Corp. or by Willard Pease Oil & Gas Company requesting that a hearing be held for the purpose of rescinding the order in Cause # 4, dated December 5, 1956 and Cause # 10, dated December 13, 1956, with respect to those sections included within the Bar Creek Unit Agreement.

Very truly yours,

CLEON B. FEIGHT
DIRECTOR

cc: U.S. Geological Survey

Disapproved - Does not fit Order #4 _

western union

Telegram

SLA138(1733)(2-053530E357)PD 12/22/76 1732
ICS IPMBNGZ CSP
3035735665 TDBN DENVER CO 13 12-22 0532P EST
PMS MR CLEON B FEIGHT, DIRECTOR OIL GAS AND MINING DIVISION OF
STATE OF UTAH, DLR
1588 WEST NORTH TEMPLE
SALT LAKE CITY UT 84116
BAR CREEK FEDERAL EXPLORATORY UNIT WAS APPROVED BY THE USGS DECEMBER
21, 1976.
JACK HOOVER EXPLORATION MANAGER ANSCHUTZ CORPORATION
NNNN

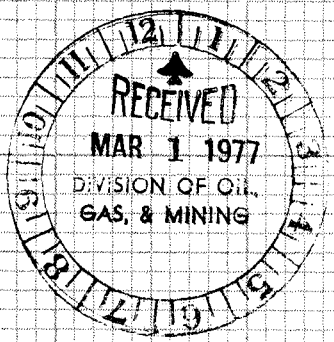
SF-1201 (R5-69)

Knight Condley
"REPRODUCTION SPECIALISTS" INC.
256 EAST 2nd SOUTH SALT LAKE CITY 11, UTAH
DAvis 2-1321

Pat,

I'm sorry. I guess I neglected to send you a copy of this report, which was sent on Jan. 11.

— Don —



CIRCULATE TO:

DIRECTOR ☐
PETROLEUM ENGINEER ☑
MINE COORDINATOR ☐
ADMINISTRATIVE ASSISTANT ☑
ALL ☐

RETURN TO Kathy FOR FILING

RES. PHONE 801-295-1870

BUS. PHONE 801-359-3575

W. DON QUIGLEY

OIL AND MINERALS CONSULTANT
803 PHILLIPS PETROLEUM BLDG. - SALT LAKE CITY, UTAH 84101

January 11, 1977

AFFIDAVIT ON DRILLING OPERATIONS

DISTRICT ENGINEER
U.S. Geological Survey
Federal Building
Salt Lake City, Utah 84111

Re: Pease Oil & Gas Co.
Anschutz #1 Bar Ck. Well
Bar Creek Unit, Grand
County, Utah
(NW.SE.Sec.19-17S-26E)

Dear Sir:

This is to certify that the Pease Oil & Gas Company- Anschutz #1 Bar Ck. well on the Bar Creek Unit, Grand County, Utah was spudded-in at 4;30 P.M. on December 31, 1976. By midnight, the well was 160 ft. deep and casing (8 5/8") had been run and set at 151' K.B. The drilling depth as of 7:00 A.M. on Jan.1,1977 was 160 feet. Copies of the drilling report covering Dec.31, 1976 and Jan.1,1977 are attached.

I, W. Don Quigley, as representative for Pease Oil & Gas Company do hereby certify that I was at the well site on Dec.31, 1976 and personally saw that drilling operations were commenced at the above stated time and were continuous to the point of running casing. The well was drilled continuously from this point to a total depth of 2740 ft. which was reached at 11:30 P.M. on January 5, 1977. The well was completed on January 7, 1977 for an initial gas flow of approx. 9,500 MCF per day from a sand at 2242' to 2252'.

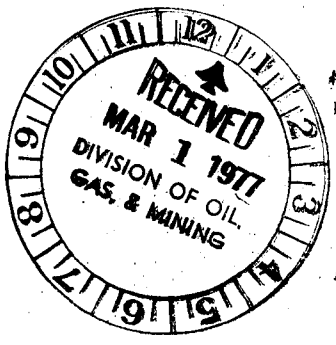
Signed this 11th day of Jan.,197

W. Don Quigley

CC:
Oil & Gas Division
U.S. Geological Survey
P.O. Box 2859, Casper, Wyo. 82602

The Anschutz Corp.
1110 Denver Club Bldg.
Denver, Colorado 80202

Willard Pease Oil & Gas Co.
570 Kennecott Bldg.
Salt Lake City, Utah 84111



CIRCULATE TO:
DIRECTOR ☑
PETROLEUM ENGINEER ☑
MINE COORDINATOR ☐
ADMINISTRATIVE ASSISTANT ☑
ALL ☐
RETURN TO Kathy O.
FOR FILING

P. O. Box 548
Grand Junction, Colo.

WILLARD PEASE DRILLING COMPANY

FIELD Willard Pease Basin Oil PROPERTY Bar C WELL No. Fed #1

NW-SE - Sec 19 - 17S - 21E FOR 24 HOURS ENDING 12 M. 12-31-76 19

DRILLING ASSEMBLY	At 8 A.M.	At 4 P.M.	At 12 M.
STANDS " D.P.	No. FT.	No. FT.	No. FT.
" D.P.	No. FT.	No. FT.	No. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	No. FT.	No. 3 6050 FT.	No. 4 1196 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABILIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	KIND FT.	KIND FT.	KIND FT.
BIT OR CORE BBL.	FT.	Bit Sub 150 FT.	Bit 150 FT.
TOTAL D.P. & TOOLS	FT.	XO 150 FT.	XO 1530 FT.
KELLY DOWN	FT.	38 FT.	3800 FT.
DEPTH OF HOLE	FT.	1880 + FT.	1960 FT.
TOUR	12 M. to 8 A.M.	8 A.M. to 4 P.M.	4 P.M. to 12 M.
DEPTH END OF TOUR	FEET	1880 FEET	1960 FEET
DEPTH START OF TOUR	0 FEET	0 FEET	1801 FEET
FOOTAGE DRILLED	FEET	1880 FEET	159 FEET
DRILLED TIME	HOURS	3½ HOURS	1¼ HOURS
DEAD TIME	HOURS	8½ HOURS	2¼ HOURS
LOST TIME	HOURS	HOURS	HOURS
PUMP SIZE		D-175	D-175
LINER SIZE		5½	6¼

	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
PUMP PRESSURE	p.s.i.	p.s.i.	25 p.s.i.	50 p.s.i.	50 p.s.i.	75 p.s.i.
ROTARY SPEED	r.p.m.	r.p.m.	110 r.p.m.	130 r.p.m.	90 r.p.m.	100 r.p.m.
WEIGHT ON BIT	tons	tons	all tons	all tons	FULL tons	FULL tons

MUD REPORT

MUD WEIGHT	$/gal.	$/gal.	— $/gal.	$/gal.	$/gal.	$/gal.
MUD VISCOSITY	secs.	secs.	— secs.	secs.	secs.	secs.
MUD PH			—			
SAND CONTENT	%	%	— %	%	%	%
MUD WATER LOSS	cc. hr.	cc. hr.	— cc. hr.	cc. hr.	cc. hr.	cc. hr.
AMT. CHEM. ADDED			— Air		Mist & Mist	
AMT. GEL. ADDED			—			
AMT. OIL ADDED			—			
AMT. WATER ADDED			— Mist			
WATER HAULED	BBLS.		— BBLS.		BBLS.	

NO.	SIZE	BIT OR CORE BBL. KIND AND TYPE	SERIAL NO.	NEW RR RT	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	CORE RECOVERY	BIT CONDITION
1	12¼	4½ Reed		RR		0	160	160		

FROM	TO	FORMATION RECORD	CASING SIZE	CASING DEPTH	DEVIATION RECORD KIND	DEPTH	ANGLE	DIRECTION
0	90	Surface	10¾	—				
	160	Chinle						
			8⅝	1951				

DEAD TIME: ROUTINE WORK, EXCEPT DRILLING, SUCH AS CHANGING BITS, REAMING, CEMENTING, OILING, ETC., BUT NOT INCLUDING REPAIRS
LOST TIME: REPAIRS, FISHING, SIDETRACKING, WAITING FOR ORDERS OR MATERIALS, ETC.
ALL OPERATIONS MUST APPEAR IN DETAIL ON HOURLY REPORT.
SHOW PLAINLY WHAT EQUIPMENT WAS REPAIRED AND TIME REQUIRED.

12-31-76

TIME	HOURLY OPERATING DETAIL WORK DONE
12 M to 1 AM	
1 AM to 2 AM	
2 AM to 3 AM	
3 AM to 4 AM	Rig up
4 AM to 5 AM	
5 AM to 6 AM	
6 AM to 7 AM	
7 AM to 8 AM	
8 AM to 9 AM	"
9 AM to 10 AM	Rig up
10 AM to 11 AM	" "
11 AM to 12 N	
12 N to 1 PM	Drlg Rat Hole
1 PM to 2 PM	Drlg Mouse Hole
2 PM to 3 PM	W O Water
3 PM to 4 PM	½ " " ½ Re Drlg mouse Hole
4 PM to 5 PM	¼ Work Kelly ¼ Rig up To Drlg Surface ½ Drlg
5 PM to 6 PM	Drlg
6 PM to 7 PM	Drlg
7 PM to 8 PM	Drlg
8 PM to 9 PM	DAL
9 PM to 10 PM	¾ DRLG ¼ CIRC
10 PM to 11 PM	¾ TRIP OUT ¼ [illegible]
11 PM to 12 M	¾ RUN CASING ¼ TRY TO BREAK CIRC [illegible]

CREW SIGNATURES

	12 M. to 8 A.M.	HRS.	8 A.M. to 4 P.M.	HRS.	4 P.M. to 12 M.	HRS.
DRILLER	JOE Young DRIVE	12	Don Wilson Driller	12	Tim Morris DRIVE	4
DERRICKMAN	KIM REECE	12	Gary Greenwood	12	Tony Lee	4
MOTORMAN	JEFF KOVENE	12	Randy Price	8	Jack Bowen	4
FLOORMAN			Old-Tellez	12	Mike Martin	4
FLOORMAN						
					2nd T.T.	

DRILL LINE RECORD	WORK HRS.		TOTAL WORK HRS.		WORK HRS.		TOTAL WORK HRS.		WORK HRS.		TOTAL WORK HRS.	
	MOVED	FT.	CUT	FT.	MOVED	FT.	CUT	FT.	MOVED	FT.	CUT	FT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS

Started drilling surface hole at 4:30 P.M.

Set 162 of 8 5/8" Casing Set at 151 K.B.

OPERATOR'S REPRESENTATIVE

TOOL PUSHER

P. O. Box 548
Grand Junction, Colo.

WILLARD PEASE DRILLING COMPANY

FIELD Pease Oil & Gas PROPERTY Bar Creek WELL No. Fed #1

FOR 24 HOURS ENDING 12 M 1-1-37 19

DRILLING ASSEMBLY	At 8 A.M.	At 4 P.M.	At 12 M.
STANDS " D.P.	No. FT.	No. FT.	No. 6 1/2 4102 48 FT.
" D.P.	No. FT.	No. FT.	No. FT.
DOUBLE " D.P.	FT.	FT.	FT.
SINGLE " O.D.	FT.	FT.	FT.
" O.D.	FT.	FT.	FT.
DRILL COLLAR " O.D.	No. FT.	No. 14 414 82 FT.	No. 14 414 82 FT.
REAMER " O.D.	KIND FT.	KIND FT.	KIND FT.
STABILIZER " O.D.	KIND FT.	KIND FT.	KIND FT.
JARS	KIND FT.	KIND FT.	KIND FT.
BUMPER SUB.	KIND FT.	KIND XO 154 FT.	KIND FT.
BIT OR CORE BBL.	FT.	FT.	XO 150 FT.
TOTAL D.P. & TOOLS	FT.	FT.	8173 30 FT.
KELLY DOWN	FT.	4523 32 FT.	3800 FT.
DEPTH OF HOLE	FT.	4523 72 FT.	8856 80 FT.
TOUR	12 M. to 8 A.M.	8 A.M. to 4 P.M.	4 P.M. to 12 M.
DEPTH END OF TOUR	160 FEET	452 FEET	856 FEET
DEPTH START OF TOUR	160 FEET	160 FEET	452 FEET
FOOTAGE DRILLED	FEET	292 FEET	404 FEET
DRILLED TIME	0 HOURS	HOURS	4 HOURS
DEAD TIME	8 HOURS	HOURS	0 HOURS
LOST TIME	HOURS	HOURS	HOURS
PUMP SIZE	D 175	D 175	D-175
LINER SIZE	5 1/2	5 1/2	5 1/2

MUD REPORT	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
PUMP PRESSURE	p.s.i.	p.s.i.	p.s.i.	p.s.i.	100 p.s.i.	110 p.s.i.
ROTARY SPEED	r.p.m.	r.p.m.	r.p.m.	r.p.m.	80 r.p.m.	96 r.p.m.
WEIGHT ON BIT	tons	tons	tons	tons	11 tons	14 tons
MUD WEIGHT	#/gal.	#/gal.	#/gal.	#/gal.	#/gal.	#/gal.
MUD VISCOSITY	secs.	secs.	secs.	secs.	secs.	secs.
MUD PH						
SAND CONTENT	%	%	%	%	% G	%
MUD WATER LOSS	cc. hr.	cc. hr.	cc. hr.	cc. hr.	cc. hr.	cc. hr.
AMT. CHEM. ADDED						
AMT. GEL. ADDED						
AMT. OIL ADDED						
AMT. WATER ADDED						
WATER HAULED	BBLS.		BBLS.			BBLS.

NO.	SIZE	BIT OR CORE BBL. KIND AND TYPE	SERIAL NO.	NEW RR RT	TOTAL HOURS	FROM	TO	TOTAL BIT FOOTAGE	CORE RECOVERY	BIT CONDITION
	7 7/8	Y21J	08922 08922	NEW		160				

FROM	TO	FORMATION RECORD	CASING SIZE	CASING DEPTH	DEVIATION RECORD KIND	DEPTH	ANGLE	DIRECTION
160								
452	856	Shale						

DEAD TIME: ROUTINE WORK, EXCEPT DRILLING, SUCH AS CHANGING BITS, REAMING, CEMENTING, OILING, ETC., BUT NOT INCLUDING REPAIRS
LOST TIME: REPAIRS, FISHING, SIDETRACKING, WAITING FOR ORDERS OR MATERIALS, ETC.
ALL OPERATIONS MUST APPEAR IN DETAIL ON HOURLY REPORT.
SHOW PLAINLY WHAT EQUIPMENT WAS REPAIRED AND TIME REQUIRED.

1-17-77

TIME	HOURLY OPERATING DETAIL WORK DONE
12 M to 1 AM	½ TRIP OUT ENGINE ½ CHECK FLOW IN ENGINE ½ TRIP IN ENGINE
1 AM to 2 AM	½ WORK ENGINE ½ TRIP OUT ENGINE ½ TRIP TO BOTTOM WITH 12¼ BIT
2 AM to 3 AM	½ ENGINE ½ TRIP OUT
3 AM to 4 AM	½ TRIP IN ENGINE ½ CEMENTING
4 AM to 5 AM	W.O. CEMENT.
5 AM to 6 AM	W.O. "
6 AM to 7 AM	½ " " ½ CEMENTING
7 AM to 8 AM	W.O. CEMENT
8 AM to 9 AM	W.O. CEMENT.
9 AM to 10 AM	"
10 AM to 11 AM	"
11 AM to 12 N	11.40 BROKE OFF LANDING JOINT
12 N to 1 PM	STARTED NIPLING UP
1 PM to 2 PM	"
2 PM to 3 PM	" ½. GO IN HOLE
3 PM to 4 PM	WENT BACK IN HOLE ½ H.R. DRILL ½ HR "
4 PM to 5 PM	DRILL
5 PM to 6 PM	"
6 PM to 7 PM	"
7 PM to 8 PM	"
8 PM to 9 PM	Drlg 7⅞ Hole
9 PM to 10 PM	"
10 PM to 11 PM	"
11 PM to 12 M	"

CREW SIGNATURES

	12 M. to 8 A.M.	HRS.	8 A.M. to 4 P.M.	HRS.	4 P.M. to 12 M.	HRS.
DRILLER	Jim McRay	8	J.D. Young DROVE	12	Don Wilson DROVE	4
DERRICKMAN	Terry Lind	8	MIKE HANSON	12	Gary Greenway	4
MOTORMAN	Dave Bowen	8	BILL AKERS	12	Mike Governale	4
FLOORMAN	Mike Montiel	8	JEFF KOVENE	12	Randy Price	4
FLOORMAN						

DRILL LINE RECORD	WORK HRS.	TOTAL WORK HRS.	WORK HRS.	TOTAL WORK HRS.	WORK HRS.	TOTAL WORK HRS.
	MOVED FT.	CUT FT.	MOVED FT.	CUT FT.	MOVED FT.	CUT FT.

CEMENTING, TESTING, FISHING, SPECIAL JOB DETAILS

Cemented with 125 SK Class G 3% CaCl
50 SK " " 2% "
50 SK " "

Vent 2' Horz - Full Butane 58%

OPERATOR'S REPRESENTATIVE — TOOL PUSHER

Form 9-330
(Rev. 5-68)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Utah State

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-16923

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: Willard Pease Oil & Gas Company

9. WELL NO.: Bar Creek #1

3. ADDRESS OF OPERATOR: 570 Keenecott Bldg., Salt Lake City, Utah 84111

10. FIELD AND POOL, OR WILDCAT: ~~Skyline~~ Stateline

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface: Nw.SE.Sec.19-17S-26E, S.L.M.

At top prod. interval reported below: 2050' from S-line & 2050' from E-line

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NW.SE.Sec.19-17S-26E S.L.M.

At total depth

RECEIVED
MAR 28 1977
DIVISION OF OIL, GAS, & MINING

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		Grand	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-31-76	1-5-77	1-8-77	5060'grd;5070'K.B.	5062'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
2740'	2500'	one	→	0-2740'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 2242'-2252' Brushy Basin sand in Morrison Formation

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: Induction-electrical; Gamma-Density-Compensated Neutron

27. WAS WELL CORED: no

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	152'	12¼"	225 sks.	none
4½"	9.50#	2364'	7 7/8"	150 sks.	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	none			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	1900'	none

31. PERFORATION RECORD (*Interval, size and number*): 2242'-2252' w/1 shot/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
none	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
Jan.8'77	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-[illegible]-'77	1 hr.	1¼"		none	9,500/day	none	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
220#	290#		none	9500/day	none	

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Shut-in

TEST WITNESSED BY: Willard Pease

35. LIST OF ATTACHMENTS: Drilling History & Geologic Report; 4-pt.flow test by Northwest Pipeline

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W. Don Quigley TITLE Consulting Geologist DATE Mar.21,1977

*(See Instructions and Spaces for Additional Data on Reverse Side)

DRILLING HISTORY

AND

GEOLOGIC REPORT

ON

WILLARD PEASE OIL & GAS CO.
ANSCHUTZ #1 BAR CREEK WELL
GRAND COUNTY, UTAH

By

W. Don Quigley
Consulting Geologist
Salt Lake City, Utah

March 18, 1977

DRILLING HISTORY
AND
GEOLOGIC REPORT
ON
PEASE OIL & GAS CO.
ANSCHUTZ #1 BAR CREEK WELL
GRAND COUNTY, UTAH

Operator: Willard Pease Oil & Gas Co.
570 Kennecott Bldg., Salt Lake City, Utah 84111

Contractor: Willard Pease Drilling Co.
P.O. Box 548, Grand Junction, Colo. 81501

Location: NW. SE. Section 19, T. 17 S., R. 26 E., SLM., Grand County, Utah (2050' fr. S-line and 2050' fr. E-line)

Elevations: 5060' grd; 5070' K.B.

Spudded-in: 4:30 P.M., Dec. 31, 1976

Finished Drlg: 11:30 P.M., Jan. 5, 1977

Total Depth: 2740'

Surface Casing: Set 8 5/8", 24 lb, K-40, STC at 152' K.B. and cemented with 225 sks, Type G cement w/2% Cacl, with returns to surface.

Production Casing: 4½", 60 jts, 9.5#, H-40, LTC, and set at 2364' K.B., cemented w/150 sks, Type G cement w/2% Cacl.

Producing Formations: Dakota and Morrison (Brushy Basin)

Production Zones: 1928' to 1942' and 2242' to 2252'

Perforations: 2242' to 2252' (10 shots)

Producing Zone: 2242' to 2252' (Brushy Basin sand)

Initial Open Flow Rate: 9,500 MCFGPD

Casing Head Pressure: 850# (Shut-in)

Tubing Pressure: 850# (Shut-in)

Completed: Jan. 8, 1977

Drilling History

Dec. 30: Moving in and rigging up.

Dec. 31: Finished rigging up. Drilled mouse hole. Drilled rat hole. Spudded-in with 12¼" bit and using air for circulation. Drilled 0' to 160' for surface casing. Ran 4 jts of 8 5/8", 24.00#, K-40 casing and set at 151' K.B. Tried to break circulation with 2000# pressure, but casing was plugged.

Jan. 1: Pulled casing to unplug. Went back in hole with casing and found that circulation was still impossible. Pulled casing and went back in hole with 12¼" bit and reamed out hole. Came out of hole with bit and ran casing again. Obtained circulation and cemented casing with 225 sks cement with returns to surface. Plug down at 7 A.M. Waiting on cement to cure. At 11:40 A.M., broke out landing joint and began nippling up. Installed flange on casing and blowout preventers on top of flange. Went in hole with 7 7/8" bit and started drilling below surface casing at 3:30 P.M. using air for circulation. Drilled 160' to 856' (696'). Drilling ahead in Mancos shale at rate of 70' to 90' per hr. Dusting good.

Jan. 2: Drilled 856' to 2222' (1366'). Drilling ahead at 90 ft/hr. rate. Had reverse drilling break at 1918'. This is top of the Dakota formation. Made rd-trip at 1938' for new bit. Bit #2 (Reed-Y21J) made 1778' (160' to 1938') in 20¼ hrs. Drilled at avg. rate of 88 ft/hr. Had large gas flare as soon as circulation was resumed. Encountered good flow of gas at 1938' to 1970'. Estimate a flow rate of over 1,000 MCFGPD. Did not measure volume. Sand is medium grain to fine grain with rounded

grains - good porosity (est. about 15%), with good blue fluorescence, slight stain, and good cut. Hole quit dusting at about 2000'. Encountered water at this point. Converted to air-mist with soap and water. Drilled ahead at rate of 45 ft/hr. to 2222' and decided to log hole. Mixed mud and circulated hole for 1½ hrs in preparation for logging. Came out of hole with bit. Bit #3 (Reed-FP62J) made 284' (1938' to 2222') in 5½ hrs. Drilled at avg. rate of 52 ft/hr. in Dakota and Cedar Mountain sediments. Est. top of Cedar Mt. formation at 2010', and Morrison at about 2130'.

Jan. 3: Drilled 2222' to 2329' (107'). Logged hole. Ran an Induction-Electrical log and a gamma-density-compensated neutron log. Finished logging at 4:30 A.M. Decided to drill ahead to satisfy Unit requirements. Drilling ahead with mud at slow rate of 8 ft/hr. Had drilling break at 2240' to 2254'. This is a conglomeratic sand with good fluorescence - probably gas-bearing.

Jan. 4: Drilled 2239' to 2530' (291'). Drilling at avg. rate of about 7 ft/hr. Had a drilling break at 2452' to 2462'. This was a m.g. bent. rd'd ss. w/ faint dull fluorescence and faint cut. Could have some gas but probably has water also. Top of Salt Wash section at approx. 2390'.

Jan. 5: Drilled 2530' to 2740' (210'). Drilling slowly at rate of 7 to 8 ft/hr. Encountered green glauconitic shale and siltstone at 2610'. This is probable top of Curtis formation. Had a marked increase in drilling rate at 2690'. Rate increased to 40 ft/hr. This is the top of the Entrada formation. The sand was light tan, medium-grained, well rounded, loosely consolidated, and had no fluorescence or shows, - probably wet. Drilled 50 ft. into the sand and quit drilling at 2740' at 11:30 P.M. Called loggers to log bottom of hole.

Jan. 6: Ran an induction-electrical log and a gamma-compensated neutron-formation density log from bottom of hole to 2000'. Finished logging at 12 noon. Laid down drill

collars and went in hole open-ended. Placed a 50 sk cement plug in bottom of hole at 2740' to 2500'. Came out of hole laying down drill pipe. Began running casing at 9 P.M. Ran 60 joints of 4½", 9.50#, H-40, LTC casing with shoe and insert collar on bottom, and 4 centralizers placed at the top of the 1st, 3rd, 5th, and 7th joint. Cemented casing with 150 sks of type G cement with 2% Cacl. Plug down at 11:50 P.M. Casing was landed at 2364' K.B.

Jan. 7: Cleaned mud pits. Waited on welder. Raised blowout preventer and cut off casing after sealing to 8 5/8" and welding solid. Welded on 4½" threads on casing and installed tubing head. Went in hole with 2 3/8" tubing.

Jan. 8: Finished going in hole with tubing. Bottom of tubing (open ended) is at 1900'. Blew water out of hole to 1900'. At 10 A.M. ran collar locator log below tubing with gamma ray. Perforated zone 2242' to 2252' with 10 shots (1 sh/ft.). Gas immediate to surface; had 500# pressure on casing at surface in one minute. Had trouble getting gun out - lubricator leaking. Had 850# pressure on casing in 3 min. Opened tubing on 1¼" orifice. Flow pressure stabilized at 220# in 30 min. Casing pressure steady at 290#. Continued flow for another 30 minutes and both pressures remained steady, increasing very slightly. Open flow rate gauged at 9,500 MCFGPD. Shut well in and casing pressure built to 850# in 3 minutes and tubing pressure also built to 850# in 3 min. Well completed at 2 P.M. and started rigging down. Gas flow calculated to be 9,500 MCF/day open flow.

GEOLOGIC REPORT
ON
PEASE OIL & GAS CO.
ANSCHUTZ #1 BAR CREEK WELL
GRAND COUNTY, UTAH

Introduction

The Willard Pease Oil & Gas Co. drilled the Anschutz #1 Bar Creek Well on the Bar Creek Unit in January of this year and completed the well as a sizeable gas well in the Morrison formation. This was the first well in the new Bar Creek Unit and is part of the Stateline Gas Field. The well was located on the Stateline anticline between two northeast trending faults which are about 4000 feet apart. The well was begun on Dec. 31, 1976 and was completed on Jan. 8, 1977.

The Bar-X Gas field located on the Bar-X anticline is just north of the Stateline structure and has been producing natural gas from the Dakota, Cedar Mountain, Morrison, and Entrada formations since 1957. Cumulative production from the field, as of Jan. 1977, has been about 15½ billion cubic ft. of gas and monthly production amounts to about 55 million cubic feet. The field covers about 6 sections, so this amounts to about 2½ billion cubic feet of gas per section produced to date.

Since the pay sands on the Stateline structure are at shallower depths than those on the Bar-X structure, the amount of gas reserves will probably be less due to the lower pressure. However, they should be appreciable, at least 2 billion cubic feet per section or 500 million cubic feet per well on a quarter-section spacing. With the increase in natural gas prices, this makes a very attractive economical picture.

Drilling History

A complete detailed daily drilling history of the subject well is itemized in the first section of this report. The upper part of the well, 0' to 2000', was drilled with air. A good flow of gas (est. about 1 million cubic feet per day) was encountered at

1920' to 1970', from two separate sands in the Dakota formation; however water was encountered in a lower Dakota sand at 1990' to 2010'. The water necessitated conversion to air-mist drilling with air-soap-water. The hole was drilled from 2000' to 2222' with air-mist and then the air-mist was converted to mud for logging and drilling deeper. Since the Unit requirements included drilling to the Entrada formation, the well had to be drilled to a depth of 2740 ft. which was 50 feet below the top of the Entrada formation. The hole was then logged again from the bottom up to 2000', the depth of the previous log. The well was then plugged back to 2500' and 4½" casing was run and cemented. The cement was allowed 36 hours to cure and then the well was perforated and completed as a gas well from a sand in the Brushy Basin portion of the Morrison formation.

Stratigraphy and Hydrocarbon Shows

The surface rocks at the location of the subject well are shales and siltstones belonging to the middle part of the Mancos formation. The rest of the Mancos section was about 1920' thick and consisted of dark grey, calcareous, marine shale; brown siltstone; and light brown, v.f.g., calcareous, tight sandstone. A section from 1300' to 1400' contained good oil stain, fluorescence, and good oil cut in a brown calcareous siltstone. Some of the samples came out oil soaked. This was from the base of the Niobrara section of the Mancos. Some further oil shows were observed in the cuttings from 1850' to 1920' in a brown, very-fine-grained sandstone and silty shale at the base of the Mancos. The samples had oil stain and good oil cut.

The top of the Dakota formation was reached at 1918', which was about 150 feet higher than predicted. The Dakota was about 100 ft. thick (1918' to 2012') and contained three different sand benches. The upper two were about 12' to 15' thick and both contained good shows. The sand was medium-grained, rounded, and had good light blue fluorescence and good cut. Gas was flared at the surface, providing a 20-ft. flare, and had a flow rate of an estimated one million cubic feet per day. The third and bottom sand of the Dakota was about 20 feet thick and had no shows. The sand was white, medium-grained, rounded, and appeared to be water-wet.

The Cedar Mountain formation from 2012' to 2126' was mostly green and brown mottled shale; brown limestone; green, glauconitic shale; and some light-grey, bentonitic, very dense sandstone. No shows of hydrocarbons were seen in this section.

The Morrison was topped at 2126 feet and consisted of red, calcareous shale and siltstone. A grey, conglomeratic, bentonitic sandstone was drilled from 2240' to 2252' which had good light-blue fluorescence. This was the sand which was later completed as the gas producer. Porosity in the sand is about 15%.
The top of the Salt Wash section of the Morrison was reached at 2390'. The Salt Wash section contained several different sand lenses: the top one at 2390' to 2405' appeared tight and water-wet in the samples. The second one at 2414' to 2420' was also very tight and quartzitic. The third sand at 2452' to 2462' was medium-grained and had some dull green fluorescence and faint cut. The later logs suggest that this sand could be gas productive. They indicate a porosity of about 17% and a water saturation of 68%. This sand is below the bottom of the casing but above the cement plug at 2500'; and could be produced at some later date, if desired.
The fourth Salt Wash sand at 2468' to 2484' was very-fine-grained, quartzitic and tight. No shows were observed in the cuttings. The other sands below were thin, dense, and did not have any hydrocarbon shows. The Morrison was 484 ft. thick.

The Curtis-Summerville section was topped at 2610' and consisted of brown limestone, green glauconitic shale; and varicolored calcareous shale and siltstone. This section was 80 feet thick and contained no shows.

The top of the Entrada formation was encountered at 2690', and consisted of a white to tan, medium-grained, rounded, friable and loose sandstone with no shows. About 50 ft of this sand was drilled and it appeared water wet. The later logs indicated about 16% porosity and 100% water saturation.

A detailed sample log of the cuttings from 1000' to total depth is attached hereto. The formations with their tops, thicknesses, and datum points which were encountered in the subject well as determined from the electric logs are as follows:

Formation	Depth to Top	Thickness	Datum
Mancos	Surface	1918'	5070' K.B.
Dakota	1918'	94'	3152'
Cedar Mountain	2012'	114'	3058'
Morrison (Brushy Basin)	2126'	264'	2944'
(Salt Wash)	2390'	220'	2680'
Curtis-Summerville	2610'	80'	2460'
Entrada	2690'	—	2380'
Total Depth	2740'		

As will be noted, all of the above formations were encountered about 150 feet higher than the predicted depths listed in the prognosis for the well. The tops of the formations are about 50 to 60 feet lower structurally in the subject well than in the #1 Fed. well in the SW. SW. of Sec. 19 - 17S - 26E, located about ½ mile to the southwest.

Conclusion

The Willard Pease Oil & Gas Co. Anschutz #1 Bar Creek well was drilled on the north flank of the Stateline Anticline and was located between two parallel faults trending northeasterly across the structure. The well was the first test in the new Bar Creek Unit.

The well was drilled to a total depth of 2740' which was 50 ft. below the top of the Entrada formation. The well was completed for an initial gauged flow of 9,500 MCF of gas per day from a sand lens in the Brushy Basin section of the Morrison. The shut-in pressure of the reservoir at the surface was 850#. This would indicate that the possible recoverable reserves in this well, on a 160-acre spacing, could be approximately 500,000 MCF of gas.

In addition to the above pay-sand, two other sand lenses in the Dakota formation were productive and can be completed at some later date. Generally the gas reserves in the area do not change appreciably by the completion of additional sands. The reserves listed above are probably close to the total reserves from all sands in the well.

One of the Salt Wash sands, from 2452' to 2462', also had some shows and could be productive; but would probably produce some water along with the gas. Calculations from the log data suggest a water saturation of about 68% in this sand. This sand is below the bottom of the casing, but is above the plugged-back depth and could therefore be completed by drilling out the shoe of the casing.

The results of the subject well proves the potential of the area, and also indicates the localization of the drainage from the reservoirs. The two Entrada Oil Co. wells located south of the subject well (one about 1/3 mile to the southwest and the other about 1/3 mile to the southeast) have been produced and then plugged and abandoned. The lenticular nature of the reservoirs are partly responsible for this localization of drainage plus the number of different fault blocks in the area. Thus any new well located on a quarter-section spacing can have nearly virgin reserves of natural gas.

W. Don Quigley

W. Don Quigley
Consulting Geologist
AAPG Cert. #1296
APGS Cert. #3038

NW. SE. SEC 19 - 17S - 16E ; ELEV. = 5070' K.B. 1000' - 2000'

1000' DK. gry. calc. man. sh.

1100

DK. gry. calc. man. sh.

1200

1300 Ban. calc. SLST w/ sl. oil. ST. & dk. gry calc. sh.

DK. gry. calc. sh

w/oil - good cut + fluor. - good oil odor
Oil soaked - good cut

1420 DK. gry, calc, - sl. silty, sh.

DK. gry. v. calc. spec. sh. (wh. specs of calcite)

1500

1600 DK. gry to blk. calc. silty sh. w/oil ST. & odor, & good cut.

DK. gry calc. SLST. & sh

DK. brn v. calc. silty v.fg. ss w/oil sl & cut

1700 DK. gry to blk calc. silty sh. w/oil sat.

DK. gry calc. silty sh.

1800

Brn calc. dnty. vfg. ss. & dk. gry calc. silty sh w/oil ST. & cut

1900 Kd

b b Wh. mg. to fg. w. mod'd bent. ss w/ good blue fluor. & good cut - gas to surf.

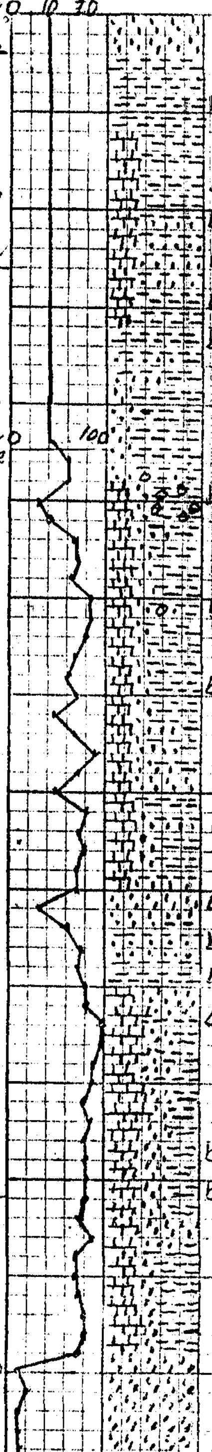
b b Lt. gry & blk sh. w/ pcs. of coal + bent. EST. 1200 MCF
Lt. gry to wh. fg. to m.g. mod'd ss. w/ sl. fluor & good cut; gas

2000' b b Wh. bent. sh. & vfg. silty ss.

KEUFFEL & ESSER CO. MADE IN U.S.A.

2000' - 3000'

2000' 0 10 20 Kcm



Wh... g. rd'd qtz. ss. - WATER WET. ... d To Start - air-Mist.
Gry-grn. bent. ss.

Grn & brn Mot. calc. sh.
Grn. brn. rd. & gry. calc sh + some brn lms.
Grn glauc. calc / bent. sh.

2100' Jm

+ some lt. gry. bent. v. dns ss. (qtzic)

As Above + rd-brn sl. calc. sh
Rd. brn sl. calc. sh.

+ grn bent. non calc sh
Lt. gry. qtzic ss. - gry-grn. bent. sh.
+ rd. sh. + slst
Rd. sh. + slst.

2200'
Change in scale 0 100

+ gry bent. congl. ss - Changed To Mud.
** Rd. brn sl. calc sh + slst. - gry congl. bent. ss w/ good fluor.
+ gry bent. ang congl. w/ scat. fluor.
+ lt. gry qtzic. ss.
Varic. calc sh. & slst. + brn. xln lms.

2300'

+ lt gry congl. bent ss.
Rd brn calc sh + slst.
Varic. calc. sh. & slst.
+ lt. gry qtzic. To congl. ss
Varic. calc. sh & slst.
Gry, grn, & blk calc. sh.; lt. brn lms; & lt. vfg. - qtzic ss.

2400'

Lt. gry calc. vfg. ss (Tgt.)
Blk., gry, & rd. brn calc sh
+ lt. gry qtzic ss & pyr
Varic. calc. sh. & slst.

+ lt. gry to lt. brn. vfg. calc. ss
** Lt. TAN. Mg. bent. rd'd ss. (w/ faint dull grn fluor & faint cut.
w/ some varic. sh.
Blk. & grn sh. & lt. TAN. vfg., qtzic, Tgt. bent. ss - No shows.
Rd., grn, & blk. sh. & slst.

2500'

Blk. fiss. sh; grn glauc. sh.; gry bent. sh
Wh. vfg. dns calc. ss
+ varic. calc. sh. & gry lms & ch.
Blk. fiss. sh; brn lms.; grn. calc. sh.; brn & gry mica. slst.
Wh. calc. vfg. dns ss; varic. calc. sh & slst.
Gry. calc. slst.; bent.; ang. lms.
Varic. sh.; brn & gry mica. calc. slst.; brn lms.
Varic. sh & slst + wh vfg - qtzic calc. ss. + brn lms

2600' Jcu

Rd calc. slst.; grn glauc. sh
Varic. calc sh & slst. + brn lms
Grn glauc. sh. - grn-gry calc. slst.
Wh. vfg. calc. Tgt. ss
Grn & gry glauc sh
Varic. calc. sh. & slst.

Grn, gry, & blk. sh & slst & brn lms.
+ rd calc. slst.

Je 2700'

Wh. to lt. TAN. Mg. rd'd friable - loose ss. - No fluor.

T.D. = 2740'

2800'

2900'

3000'

UNIT :
LEASE : ANSCHUTZ-FEDERAL
WELL : BAR CREEK NO. 1
S/T/R : 19 17S 26E
COUNTY: GRAND
STATE : UTAH

TYPE TEST: 4 POINT
: SPECIAL
TEST DATE: 2/ 1/77

UNITED STATES GEOLOGICAL SURVEY
MULTIPOINT BACK-PRESSURE TEST REPORT

RESERVOIR TEMP., F = 82 @ 2247 FT.

BARO. PRESS = 14.65 PSIA
MEAN GROUND TEMP., F = 41

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2247	2247	.607	0.	0.	0.	2.0	0.	

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI						882				168.0
1	2.00 X	.187	869	0.	41	869	41	0	0	1.0
2	2.00 X	.219	861	0.	43	861	43	0	0	1.0
3	2.00 X	.312	819	0.	44	819	44	0	0	1.0
4	2.00 X	.437	723	0.	45	723	45	0	0	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTR F(T)	G-FACTR F(G)	SC-FACTR F(PV)	FLOW MCFD
1	.62	0.	883.6	1.0188	1.2835	1.0954	788
2	.86	0.	875.6	1.0168	1.2835	1.0928	1073
3	1.71	0.	833.6	1.0157	1.2835	1.0873	2021
4	3.49	0.	737.6	1.0147	1.2835	1.0760	3606

NO.	P(R)	TEMP. R	T(R)	Z
1	1.31	501	1.39	.833
2	1.30	503	1.39	.837
3	1.24	504	1.40	.846
4	1.10	505	1.40	.864
5				

GAS LIQ RATIO, MCF/BBL		0.
API G OF HYDROCARBONS		0.
SP G SEPARATOR GAS	.607	XXXXX
SP G FLOWING FLUID	XXXXX	.607
CRITICAL PRES., PSIA	672	672
CRITICAL TEMP., R	361	361

NO.	PS	PS*PS	PF*PF-PS*PS
1	939	881	22
2	932	869	34
3	900	810	93
4	841	708	195
5			

PF =	950.0
PF*PF =	903
PF*PF/(PF*PF-PS*PS) =	4.6323
(PF*PF/(PF*PF-PS*PS))**N =	2.8997
AOF (MCF/DAY) =	10456

CALC BH OPEN FLOW= 10456 MCFD @ 15.025; SLOPE ANGLE= 55.2; N= .694

64-6217

$\gamma = 0.607$

FIELD DATA SHEET

Type Test: ☒ Initial ☐ Annual ☐ Special — Test Date: 2-1-77 — Lease No. or Serial No.

Company: Willard Pease Oil & Gas — Connection: None — Allottee

Field: Bar X — Reservoir: Entrada Morr — Location: SE/4 — Unit

Completion Date — Total Depth — Plug Back TD: 2365 — Elevation — Farm or Lease Name: Anschutz - Fed.

Csg. Size: 4½ — Wt.: 10.5 — d — Set At: 2363 — Perforations: From: 2342 — To: 2352 — Well No.: 1

Tbg. Size: 2 3/8 — Wt.: 4.7 — d — Set At: 2225 — Perforations: From — To — Sec.: 19 — Twp – Blk: 17 S — Rge – Sur: 26 E

Type Completion (Describe): Single SGS — Packer Set At — County or Parish: Grand

Producing Thru: Tubing — Reservoir Temp. F: 100 @ 82 at 2326 — Mean Annual Temp. F: 60 — Baro. Press. – P_a: 12 — State: Utah

L — H — G_g — % CO_2 — % N_2 — % H_2S — Prover: 2" — Meter Run — Taps

DATE Time of Reading	ELAP. TIME Hrs.	WELLHEAD WORKING PRESSURE Tbg. Psig	Csg. Psig	Temp. F	METER OR PROVER Pressure Psig	Diff.	Temp. F	Orifice	REMARKS (Include liquid production data: Type – API Gravity – Amount)
11:30 A		882	882			MCFD			7 Day SIP - Begin rate #1
12:30 P		869	872		869	764	41	3/16	End rate #1
1330 P		882	882						1 hr SIP - Begin rate #2
2:30		861	866		861	1041	43	7/32	End rate #2
3:30		881	882						1 hr. SIP - Begin rate #3
4:30		819	836		819	1962	44	5/16	End rate #3
5:30		881	882						1 hr. SIP - Begin rate #4
6:30		723	727		723	3503	45	7/16	End rate #4 - Begin Cut flow
2-2 9:00 A		666	714		666	3179	52°	7/16	End 14½ hr. Cut flow

Press. Build Up not in yet.

AOF

6.5 MM

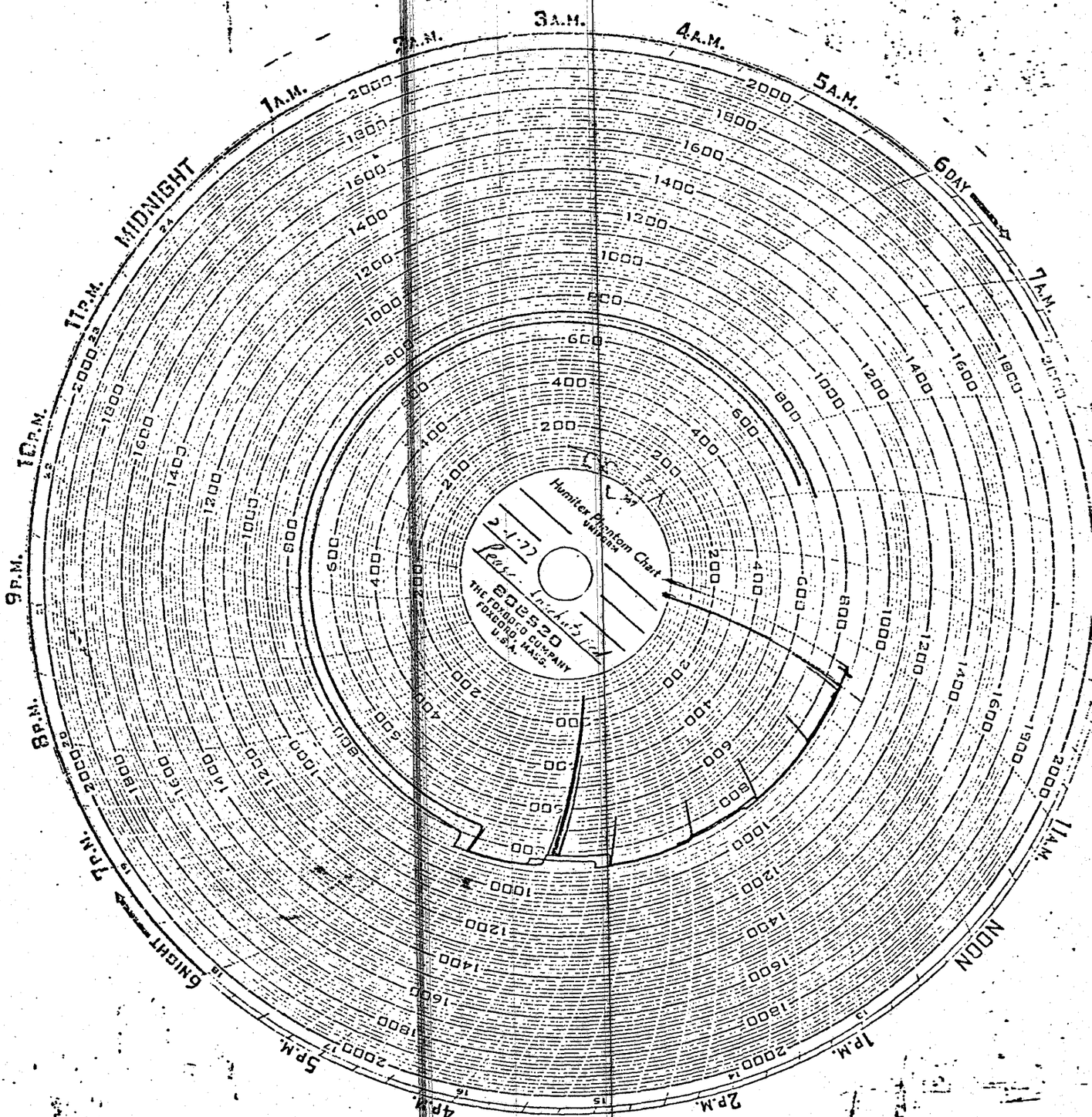
PAGE 1 OF ____ DATA BY

No Frac

IV - 1

Form DPT 1

Bar Creek #1


3A.M.
4A.M.
5A.M.
6DAY
7A.M.
11A.M.
NOON
1P.M.
2P.M.
3P.M.
4P.M.
5P.M.
6NIGHT
7P.M.
8P.M.
9P.M.
10P.M.
11P.M.
MIDNIGHT
1A.M.
2A.M.
Humiter Phantom Chart
2-1-77
80e520
THE FOXBORO COMPANY
FOXBORO, MASS.
U.S.A.

Utah State

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-16923
Communitization Agreement No.
Field Name Stirling
Unit Name Bar Creek
Participating Area
County Grand State Utah
Operator Willard Pease Oil & Gas Co.

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 1977

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
B.C. #1	19-NW SE	17S	26E	GSI	0	none	none	none	Well is shutin pending market arrangements

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Produced		none	none
*Sold		none	XXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXX	none	XXXXXXXXXXXXXXXX
*Used on Lease		none	XXXXXXXXXXXXXXXX
*Injected		none	none
*Surface Pits	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	none
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXX

Authorized Signature: W. Von Lindley

Title: Cons. Geol.

Address: 923 Phillips Petroleum Bldg
Salt Lake City, Utah 84101

Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-R0356

MONTHLY REPORT OF OPERATIONS

Lease No. 71-016923
Bar Creek Federal
Communitization Agreement No.
Field Name
Unit Name
Participating Area
County Grand State Utah
Operator Pease TO (Anschutz lessee)

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 77

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	NW SE	17S	26E	GSI					Waiting on Gas Sales Contract

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*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*API Gravity/BTU Content	na	na	XXXXXXXXXXXXXXXX

Authorized Signature: Beth Vierra

Address: 1110 Denver Club Building
Denver, Colorado 80202-

Title: Production Clerk (303-573-5665)

Page 1 of 1

Federal Energy Regulatory Commission
825 North Capitol Street, N.E.
Washington, D.C. 20426

Kathy's well file in Vill 7

Docket No. UC 952-9

FINAL DETERMINATION BY THE OIL AND GAS SUPERVISOR UNDER THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

A final category determination is set forth below pursuant to the provisions of the NGPA for certain Federal lease gas as requested in application received on 5-18-79 and filed by Willard Pease Oil & Gas Co.

For the onshore:

Well Name and No.: Bar Creek #1
Sec., T. and R.: Sec. 19, T17S,R26E
API No.: 43-019-30335
Reservoir: Brushy Basin Sand (Morrison)
Lease No.: U-16923
County and State: Grand, UT

For the OCS:

Lease and Well No.:
Block:
API No:
Reservoir:
Nearby State:

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MAY 30 1980
DIVISION OF
GAS & MINING

Category determination requested: Section 102(c)(1)(C)

Final category determination: Approved as requested X Negative determination

Remarks:

In accordance with the requirements of 18 CFR 274.104, the following information and reference materials will be submitted to the FERC with this final determination:*

1. List of participants including the applicant and all parties submitting comments on the application.
   Willard Pease Oil & Gas Company
2. A statement on any matter opposed.
3. A copy of the application. Also, a copy of any other materials in the record used in the determination together with any information inconsistent (or possibly inconsistent) with the determination, which includes:
4. All materials required under 18 CFR 274, Subpart B, and all other record materials (and portions of record materials) used in the determination process are enclosed.
5. An explanatory statement summarizing the basis for the determination is enclosed.
6. For a New Onshore Production Well determination involving 18 CFR 271.305(b) or (c), a finding as to the necessity of the well is enclosed.

A final jurisdictional agency determination is hereby made that the Federal lease natural gas referred to above does/~~does not~~ qualify as natural gas produced from a New Onshore Reservoir in accordance with the applicable provisions of the NGPA.

Any person may object to this final determination by filing a protest with the FERC within 15 days after this determination is published by the FERC in the Federal Register in accordance with 18 CFR Part 275.

Name: for C. J. Curtis Title: Area Oil & Gas Supervisor

Signature: A. M. Casey

Date: 5-28-80 Phone number: (307) 265-5550 ext. 5405 Address: Box 2859, Casper, WY 82602

cc: Applicant, Purchaser(s), NGPA File, Public Info. File, Lease File, ~~Commenters~~, ~~Co-lessees~~, New Reservoir, State File ✓

*In the case of a negative determination, only a copy of the negative determination and a copy of Form FERC 121 will be forwarded to FERC. If the applicant or any aggrieved party so requests within 15 days of making such a determination, all information referenced in 1 through 6 will be forwarded within 20 days following the determination to the FERC in accordance with 18 CFR 274.104(b).

WILLARD PEASE OIL & GAS CO 9010 APR 01, 1984
PAGE 1

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92070018	KEWANEE #1-28 19S. 23E. 28	06	05	10	10/85	1000
92071014	CISCO SPRINGS FEDERAL #9 20S. 23E. 4	06	05	13	11/85	1000
94068010	PEASE PURCHASE #2	06	05	13	11/85	1200
92107019	WESTWATER FEDERAL #-10 17S. 24E. 4	06	07	10	10/85	1130
92093012	BAR CREEK UNIT #1 17S. 24E. 19	06	12	3	12/85	0800
92133010	CALF CANYON #5 20S. 21E. 11	06	13	4	10/85	0900

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JUN 1 1984

DIVISION OF OIL
GAS & MINING

WILLARD PEASE OIL & GAS CO
P O BOX 1874
GRAND JUNCTION CO 81502
ATTN: JUDY S. BROSE

PHONE: 303-245-5917

correct name

YOUR UTAH ACCOUNT NUMBER: N1080

PRODUCING ENTITY NUMBER: 02505
PRODUCING ENTITY NAME :

API	ZONE	WELL NAME	SECTION	TOWNSHIP	RANGE	QTR-QTR
43-019-30335	MRSN	~~ANSCHUTZ FED #1~~ BAR CREEK #1	19	17.0-S	26.0-E	NWSE

Form 9

ANNUAL STATUS REPORT
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number	
U-16923	
7. Indian Allottee or Tribe Name	
8. Unit or Communitization Agreement	
Bar Creek	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well	9. Well Name and Number
☐ Oil Well ☒ Gas Well ☐ Other (specify)	Bar Creek #1
2. Name of Operator	10. API Well Number
Willard Pease Oil and Gas Co.	43-019-30225
3. Address of Operator: P.O. Box 1874, Grand Junction, CO 81502	4. Telephone Number: 303-245-5917
	11. Field and Pool, or Wildcat: Stateline

5. Location of Well
Footage : 2050' FSL & 2050' FEL NW SE
QQ, Sec, T., R., M. : T17S, R26E, Sec. 19
County : Grand
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction
☐ Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recompletion	☐ Change of Plans	☐ Shoot or Acidize
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☐ Other	
☐ Other			

Approximate Date Work Will Start _____

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual Status Report of shut-in, temporarily abandoned, and suspended drilling wells.

Well shut-in due to gas prices. Will place on line when economically feasible.

RECEIVED
JAN 22 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Willard Pease Title President Date 1-15-92

(State Use Only)

(8/90)

See Instructions on Reverse Side

ANNUAL STATUS REPORT

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number: U-16923

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement: Bar Creek

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other (specify)

9. Well Name and Number: Bar Creek #1

2. Name of Operator: Willard Pease Oil and Gas Co.

10. API Well Number: 43-019-30335

3. Address of Operator: P.O. Box 1874, Grand Junction, CO 81502

4. Telephone Number: 303-245-5917

11. Field and Pool, or Wildcat: Stateline

5. Location of Well
Footage : 2050' FSL & 2050' FEL NW SE
QQ, Sec, T., R., M. : T17S, R26E, Sec. 19
County : Grand
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction
☐ Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recompletion	☐ Change of Plans	☐ Shoot or Acidize
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☐ Other	
☐ Other			

Approximate Date Work Will Start: _____

Date of Work Completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual Status Report of shut-in, temporarily abandoned, and suspended drilling wells.

Well shut-in due to gas prices. Will place on line when economically feasible.

RECEIVED
FEB 16 1993
DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature: Willard Pease Jr. Title: President Date: FEB 11 1993

(State Use Only)

(8/90)

See Instructions on Reverse Side

FORM 10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PEASE, WILLARD O&G CO
PO BOX 1874
GRAND JUNCTION CO 81502

UTAH ACCOUNT NUMBER: N1080

REPORT PERIOD (MONTH/YEAR): 2 / 94

AMENDED REPORT ☐ **(Highlight Changes)**

Well Name / API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
A.W. CULLEN GOVT #1 4301916029	02480	20S 23E 15	MRSN			U-08112		
CALF CANYON #5 4301930393	02490	20S 21E 11	DK-CM			~~Calf Cyn. Unit~~	U-5675	(Non Unit well)
WESTWATER M-10 4301930275	02495	17S 24E 6	DKTA			U-13666		
BAR CREEK #1 ~~4301930335~~	02505	17S 26E 19	MRSN			Bar Creek Unit	U-16923	
CALF CANYON #1 4301930298	02510	20S 21E 3	DKTA			Calf Cyn. Unit	U-11620	
CALF CANYON FEDERAL #10 4301931203	02510	20S 21E 3	DKTA			"	"	
CALF CANYON #4 4301930392	02515	20S 21E 11	DKTA			"	U-5675	
FEDERAL #4 4301930188	02520	20S 23E 14	MRSN			U-0147904		
~~CISCO SPRINGS FED 12-~~ ~~4301930233~~	~~02525~~	~~20S 23E 14~~	~~DKTA~~			U-0148171	(3/94 to PA eff. 7-10-92)	
COWBOY #1 4303730012	02530	39S 22E 14	ISMY			U-0145834		
COWBOY 4 4303730037	02530	39S 22E 14	ISMY			"		
COWBOY #5 4303730062	02530	39S 22E 14	ISMY			"		
COWBOY 7 4303730325	02530	39S 22E 23	ISMY			"		
			TOTALS					

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

PEASE
OIL & GAS COMPANY

DENVER REGIONAL OFFICE: 633 17th Street, Suite 1500 Denver, CO 80202 (303) 292-1226 Fax: (303) 292-1502

March 21, 1994

Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180

N1080

Re: Change of Name from Willard Pease Oil and Gas Company to Pease Oil and Gas Company.

To Whom it May Concern:

Enclosed please find a copy of documents issued by the Colorado Secretary of State's Office evidencing a name change from Willard Pease Oil and Gas Company to Pease Oil and Gas Company. Please reflect this change in your records.

If you have any questions or need additional information please contact the undersigned.

Sincerely,

PEASE OIL AND GAS COMPANY

Laura Skaer
General Counsel

LS:gb

Enclosure

UtahDiv.OGM

Bureau of Land Management
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

3100
U-08112 et al
(UT-920)

AUG 30 1991

DECISION

Pease Oil & Gas Company :
P. O. Box 1874 : Oil and Gas
Grand Junction, Colorado 81502 : U-08112 et al

Corporate Name Change Recognized

Acceptable evidence has been filed in this office concerning the change of name of Willard Pease Oil and Gas Company to Pease Oil and Gas Company on Federal oil and gas leases.

The following oil and gas leases have been noted to reflect the name change.

U-08112	U-0128115	U-0145834
U-0146802	U-0147904	U-0149773
U-0149777	U-1506	U-5675
U-6791	U-11620	U-13666
U-14970	U-16923	U-24185
U-30291A	U-64882	UTU-67867
UTU-72600	UTU-72601	

Due to the name change, the name of the principal on the bond is required to be changed from Willard Pease Oil and Gas Company to Pease Oil and Gas Company on Bond No, 400 DX 0202 (BLM Bond No. UT0073). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office.

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

cc: St. Paul Fire & Marine Insurance Co.
385 Washington Street
St. Paul, Minnesota 55102

bc: Vernal District Office
Moab District Office
MMS-Royalty Management Program (Attn: Richard Richards)
UT-920 (Attn: Dianne Wright)
UT-922 (Attn: Teresa Thompson)

Dcam
Brad Griesbeck, UC62

(Rev. 7/91)
SUBMIT ONE
Filing fee: $10.00

This document must be typewritten.

Mail to: Secretary of State
Corporations Section
1560 Broadway, Suite 200
Denver, Colorado 80202
(303) 894-2251

FILED COPY

for office use only

931135974 $10.00
SOS 12-08-93 16:35

FR 89110013 3

CERTIFICATE OF ASSUMED OR TRADE NAME

Willard Pease Oil and Gas Company NC QP, a corporation,
limited partnership or limited liability company under the laws of Nevada
being desirous of transacting a portion of its business under an assumed or trade name as permitted by 7-71-101, Colorado Revised Statutes hereby certifies:

1. The location of its principal office is: 2135 E. Main, P.O. Box 1874
Grand Junction, CO 81502

2. The name, other than its own, under which business is carried on is (Note 1):
Pease Oil and Gas Company, Inc.

3. A brief description of the kind of business transacted under such assumed or trade name is:
oil and gas exploration

Limited Partnerships or Limited Liabilities Companies complete this section	Corporations complete this section
In IN WITNESS WHEREOF, the undersigned general partner or manager of said limited partnership or limited liability company has this day executed this certificate _____ 19 ____ _____ (Note 2) by _____ (Note 3) Title, General Partner or Manager _____ Title, General Partner or Manager	IN WITNESS WHEREOF, the undersigned officers of said corporation have this day executed this certificate December 1 1993 WILLARD PEASE OIL AND GAS COMPANY (Note 2) by [signature] (Note 3) Its X President Attest: [signature] Its X Secretary

STATE OF COLORADO
COUNTY OF Mesa ss.

Acknowledged before me this 1st day of Dec 1993.
by Willard H. Pease, Jr., as President, and Wilk Roeland as Secretary, of Willard Pease Oil and Gas Company (Insert name(s) as signed above, briefly.)

In witness whereof I have hereunto set my hand and seal

My commission expires 9/6/97 [signature]

EVA M. EDIE-JONES
NOTARY PUBLIC
STATE OF COLORADO

Note 1: Any assumed name used by any corporation shall contain one of the words "Corporation", "Incorporated", "Limited", or one of the abbreviations "Corp.", "Inc.", or "Ltd."
Any assumed name used by any limited partnership shall contain one of the words "Limited Partnership", "Limited", or "Company" or one of the abbreviations "L.P.", "Ltd.", or "Co."
Any assumed name used by a Limited Liability Company must contain the words Limited Liability Company. The words Limited and Company may be abbreviated as Ltd. and Co., but the word Liability cannot be abbreviated.

Note 2: Exact name of corporation, limited partnership or limited liability company making the statement.

Note 3: Signature and title of officers signing (for the corporation, must be president or vice president; and secretary or assistant secretary, for a limited partnership must be general partner for a limited liability company must be a manager.)

CERTIFICATE OF BUSINESS: FICTITIOUS FIRM NAME

FILED

'93 DEC 13 P12:06

JUDITH A. HETT, CLERK

BY [signature] DEPUTY

THE UNDERSIGNED does hereby certify that it is conducting a oil and gas exploration business at c/o The Corporation Trust Company of Nevada, One E. First St., Reno, Nevada, under the fictitious firm name of Pease Oil and Gas Company and that said firm is composed of the following person whose name and address as follows, to-wit:

Willard Pease Oil and Gas Company

2135 E. Main

Grand Junction, CO 81501

Willard H. Pease, Jr., President

WITNESS my hand this 1st day of December, 19 93.

WILLARD PEASE OIL AND GAS COMPANY,
a Nevada corporation

By: [signature]
Willard H. Pease, Jr.
President

STATE OF Colo)
) ss.
COUNTY OF Mesa)

On this 1st day of December A.D. 1993 personally appeared before me, a Notary Public, Willard H. Pease, Jr., the President of Willard Pease Oil and Gas Company

who acknowledged that he executed the above instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official stamp at my office in the County of Mesa the day and year in this certificate first above written.

[signature] 9/23/97
Signature of Notary

EVA M. EDIE-JONES
NOTARY PUBLIC
STATE OF COLORADO

CC-M-404

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:
1-LEC 7-SJ
2-DTS 8-FILE
3-VLC
4-RJF
5-LEC
6-PL

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator XXXX ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-01-93)

TO (new operator) PEASE OIL & GAS COMPANY
(address) PO BOX 1874
GRAND JUNCTION CO 81502
LAURA SKAER/303-292-1226
phone ( )
account no. N 1080

FROM (former operator) PEASE, WILLARD O&G CO.
(address) PO BOX 1874
GRAND JUNCTION CO 81502
LAURA SKAER/DENVER
phone (303) 292-1226
account no. N1080

Well(s) (attach additional page if needed):

Name: *SEE ATTACHED**	API: 019-30335	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).

Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-24-94)

Lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: C0052893. (Nm chg aprv. 8-8-94)

Lec 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (9-9-94)

Lwp 6. Cardex file has been updated for each well listed above. 9-12 & 9-13-94

Lwp 7. Well file labels have been updated for each well listed above. 9-13-94

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (9-9-94)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

- OVER -

'ERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ___ (If entity assignments were changed, attach copies of Form 6, Entity Action Form). Salt Canyon Unit

Yes 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

Yes 2. A copy of this form has been placed in the new and former operators' bond files.

__ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

DTS 9/14/94

N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

__ 1. All attachments to this form have been microfilmed. Date: September 29 1994.

FILING

__ 1. Copies of all attachments to this form have been filed in each well file.

__ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940909 Bfm/SL Aprv. 8-30-94.

IE71/34-35

UTAH
NATURAL RESOURCES
Oil, Gas & Mining

3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

DOGM 56 64 23
7/85

PRODUCING ENTITY ACTION

Operator Name BEARTOOTH OIL & GAS CO.
Address P. O. BOX 2564
City BILLINGS State MT Zip 59103
Utah Account No. N1790

Authorized Signature Julie Ross
Effective Date April 1, 1995 Telephone (406) 259-2451

ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

BRACKET WELLS TO BE GROUPED TOGETHER.

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location Sec.	T	R	Q/Q	County	Producing Formation
F	02505	→	4301930335005S1	Bar Creek Federal #1	19	17S	26E	NWSE	Grand	MRSN

Explanation of action:

Change operator from Pease Oil & Gas to Beartooth Oil & Gas

Single well entity; no chg. necessary. Lee

Explanation of action:

Explanation of action:

Explanation of action:

RECEIVED
JUN 12 1995
DIV. OF OIL, GAS & MINING

an equal opportunity employer

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

RECEIVED
JUL 13 1995
DIV OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U-16923

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Beartooth Oil & Gas Company

8. FARM OR LEASE NAME: Federal

3. ADDRESS OF OPERATOR: P. O. Box 2564, Billings, Montana 59103

9. WELL NO.: Bar Creek #1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2050' FSL and 2050' FEL, NW¼SE¼

10. FIELD AND POOL, OR WILDCAT: Stateline

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19-T17S-R26E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6050 grd

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other) CHANGE OF OPERATOR	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The Operator of the above well has been changed from Willard Pease Oil and Gas Company to:

Beartooth Oil & Gas Company
P. O. Box 2564
Billings, Montana 59103

This well will be covered under Beartooth' Federal Statewide Bond #557750.

18. I hereby certify that the foregoing is true and correct

SIGNED Donald K. Roberts TITLE President DATE 6/15/95

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

July 17, 1995

Beartooth Oil & Gas Company
P.O. Box 2564
Billings, Montana 59103

Re: Bar Creek Unit
Grand County, Utah

Gentlemen:

On July 13, 1995, we received an indenture dated July 10, 1995, whereby Pease Oil Partnership resigned as Unit Operator and Beartooth Oil & Gas Company was designated as Successor Unit Operator for the Bar Creek Unit, Grand County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective July 17, 1995.

Your statewide (Utah) oil and gas bond No. 0033 will be used to cover all operations within the Bar Creek Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Western Interior Energy, Inc.
Brian H. Wert

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Division of Mineral Leasing Adjudication U-923
File - Bar Creek Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron/Fluid Chron

U-922:TAThompson:tt:07-17-95

RECEIVED
JUL 20 1995
DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: U-6923

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:

1. Type of Well: OIL ☐ GAS ☒ OTHER:

8. Well Name and Number: Bar Creek #1

2. Name of Operator: WilliardPease Oil & Gas COmpany

9. API Well Number:

3. Address and Telephone Number: P. O. Box 1874, Grand Junction, CO 81502 (303) 245-5917

10. Field and Pool, or Wildcat: Stateline

4. Location of Well
Footages: 2050' FSL and 2050' FEL NW/4SE/4
QQ, Sec., T., R., M.: Grand County Section 19-17S-26E
County: Grand
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon *	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Perforate
☐ Convert to Injection	☐ Perforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☐ Other	
☒ Other Change of Operator			
Approximate date work will start		Date of work completion	

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The Operator of the above well has been changed from Willard Pease Oil and Gas Company to:

Beartooth Oil & Gas Company
P. O. Box 2564
Billings, MT 59103

13.
Name & Signature: Willard Pease President 7/17/95
Title: Date:

(This space for State use only)

(5/94) (See Instructions on Reverse Side)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-95)

TO (new operator)	**BEARTOOTH OIL & GAS CO.**	**FROM** (former operator)	**PEASE OIL & GAS COMPANY**
(address)	**PO BOX 2564**	(address)	**PO BOX 1874**
	BILLINGS MT 59103		**GRAND JUNCTION CO 81502**
	JULIE ROE		
	phone (406) 259-2451		phone (303) 245-5917
	account no. N1790		account no. N1080

Well(s) (attach additional page if needed): ***BAR CREEK UNIT**

Name: **BAR CREEK #1/MRSN**	API: 43-019-30335	Entity: 2505	Sec 19	Twp 17S	Rng 26E	Lease Type: U16923
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Req. 6-13-95)(Req. 7-13-95)(Rec'd 7-20-95)

Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 6-12-95)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

Lec 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-21-95)

LWP 6. Cardex file has been updated for each well listed above. 7-25-95

LWP 7. Well file labels have been updated for each well listed above. 7-25-95

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-21-95)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ___ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

___ 2. A copy of this form has been placed in the new and former operators' bond files.

___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases.**

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: July 28 19 95.

FILING

___ 1. Copies of all attachments to this form have been filed in each well file.

___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950721 Blm/SL Aprv. eff. 7-17-95.

WE71/34-35